



Application for Certification
Part 1

2027 ModelYear

Durability Group: VCRXGPGNNF12
Evaporative Familie(s): VCRXR0204RR0, VCRXR0172PR0, VCRXR0166PR0, VCRXR0166RR1, VCRXR0136PR0, VCRXR0140RR0

Test Group: VCRXT03.6570

Four Stroke, Otto Cycle, Gasoline Fueled, Ported FI

Ceramic Monolith Pt, Pd, Rh Close Coupled Catalyst

3.6 Liter V-6
LDT2/LDT3/LDT4
Applicable Standards:
50 State - Tier 3 BIN 30 /

Vehicles Covered:
Dodge Durango, AWD/RWD
Jeep Wrangler 4dr, 4X4
Jeep Gladiator, 4X4
Jeep Wrangler 2dr, 4X4
Chrysler Pacifica, AWD
Chrysler Voyager, FWD
Chrysler Grand Caravan, FWD
Jeep Grand Cherokee, AWD/RWD

Vehicle(s) Run:
VID 1 config., Vehicle ID L4WDE4727 (Exh.)
VID 2 config., Vehicle ID L0WDE8893 (Evap)
VID 3 config., Vehicle ID L8JLJ2008 (Evap)
VID 4 config., Vehicle ID L7RUC8881 (Evap)

For Questions, Avinash Manivannan 248.934.7024 Gary J. Arvan 248.221.9461
All testing completed – Unconditional Cert request



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Section 1 Correspondence and Communication

For questions dealing with the Part I application for this Test Group contact:

| | | |
|------------------------------|--|--|
| <u>Name</u> | Gary J. Arvan | Avinash Manivannan |
| <u>Title</u> | Director | Certification Engineer |
| <u>Responsibility</u> | Vehicle Safety & Environmental Homologation Programs | Application Submission |
| <u>Phone</u> | 248.221.9461 | 248.934.7024 |
| <u>E-mail</u> | gary.arvan@stellantis.com | avinaschander.manivannan@stellantis.com |
| <u>Fax</u> | 248.576.7928 | 248.576.7928 |

For a complete listing of all Correspondence and Communication Information for FCA US LLC, please see:
"Common Section Book - Section 1 Correspondence and Communication"



Section 2 **Durability Group Description**

Durability Group Name: VCRXGPGNNF12

For a complete description of the Durability Group Description please see:
"Common Section Book - Section 2. Durability Group Description"



Section 3 Evaporative/Refueling Family Description

Evaporative/Refueling Family Name(s):
VCRXR0204RR0
VCRXR0172PR0
VCRXR0166PR0
VCRXR0166RR1
VCRXR0136PR0
VCRXR0140RR0

For a complete description of the Evaporative/Refueling Family Description please see:
"Common Section Book - Section 3. Evaporative/Refueling Family Description "

For ORVR Agency Review Sign Off please see:
"Common Section Book - Section 16. Agency Approvals"



Section 4 Durability Procedure Description

Durability Group: VCRXGPGNNF12

Durability Provision Statement:

Based on FCA US LLC 's good engineering judgement, all the vehicles described in this Application for Certification comply with all applicable intermediate and full useful life standards.

For a complete description of the Durability Procedure please see:
"Common Section Book - Section 16. Durability Procedure Description "

| | |
|--|--|
| Indicate if aged components were used. | Aged Components were used. |
| Indicate whether additive or multiplicative DF's were used. | N/A |
| List all DF's calculated at both full and intermediate useful life | EPA - Reference VERIFY (hard copies of all VERIFY Reports retained in-house) |
| And applicable standards (test results and vehicle description). | CARB - Reference Cert Review Sheet |

Evaporative/Refueling Family: VCRXR0204RR0
VCRXR0172PR0
VCRXR0166PR0
VCRXR0166RR1
VCRXR0136PR0
VCRXR0140RR0

For a complete description of the Durability Procedure please see:
"Common Section Book - Section 16. Durability Procedure Description "

| | |
|--|--|
| Indicate if aged components were used. | Yes - Bench Aging |
| Indicate whether additive or multiplicative DF's were used. | Additive |
| List all DF's calculated at both full and intermediate useful life | EPA - Reference VERIFY (hard copies of all VERIFY Reports retained in-house) |
| And applicable standards (test results and vehicle description). | CARB - Reference Cert Review Sheet |



Section 5 **Test Group Description**

| | |
|--------------------------------------|----------------|
| Test Group Name: | VCRXT03.6570 |
| Engine displacements covered: | 3.6L |
| Arrangement and number of cylinders: | V-6 |
| Vehicle class(es) covered: | LDT2/LDT3/LDT4 |
| Emission standards class: | BIN 30/ |
| AB71 Qualified Vehicles: | No |

Certification Summary Information Report

| | | | |
|-----------------------------------|--------------|-------------------------------------|------------------------|
| Manufacturer | FCA US LLC | Manufacturer Code | CRX |
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Certificate Number | -- | CARB Executive Order # | -- |
| Certificate Issue Date | -- | Certificate Revision Date | -- |
| Certificate Effective Date | -- | Conditional Certificate | -- |
| CSI Revision # | -- | CSI Submission/Revision Date | 03/18/2026 02:59:59 PM |
| Model Year | 2027 | | |

Test Group Information

| | | | |
|--------------------------|-----------------------|--|----|
| CSI Type | Update for Correction | Running Change Reference Number | -- |
| GHG Exempt Status | Not Exempt | | |

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

| Fuel | Basic Fuel Metering System | Lean Burn Strategy Indicator |
|----------|--------------------------------------|------------------------------|
| Gasoline | Multipoint/sequential fuel injection | No |

| | | | |
|---|--|--|------------------|
| Hybrid Indicator | No | | |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Multiple Fuel Combustion | -- | Off-board Charge Capable Indicator | -- |
| Fuel Cell Indicator | -- | EPA Vehicle Class | LDT2, LDT4, LDT3 |
| Federal Clean Fuel Vehicle | Yes | Federal Clean Fuel Vehicle Standard | LEV |
| Federal Clean Fuel Vehicle ILEV | No | California Partial Zero Emissions Vehicle Indicator | No |
| Durability Group Name | VCRXGPGNNF12 | Durability Group Equivalency Factor | 1.0 |
| Reduced Fee Test Group | No | Certification Region Code(s) | FA, CA |
| Complies with HD GHG 2b/3 regulations? | No | | |
| Introduction into Commerce Date | -- | CAP2000 Conditional Certificate? | N/A |
| Independent Commercial Importer? | -- | Alternative Fuel Converter Certificate? | -- |
| SFTP Federal Composite Compliance Identifier | Tier 3 | SFTP Tier 2 Composite CO Option | No |
| SFTP LEV-III Composite Compliance Indicator | Yes | | |
| OBD Compliance Type | CARB | OBD Demonstration Vehicle Test Group | VCRXT03.6570 |
| Test Group OBD Compliance Level | Partial - with deficiencies and penalty | Number of Test Group OBD Deficiencies | 4 |
| OBD Deficiencies Comments | 1. SAE International (SAE) J1972-2 Implementation (Models: WD, WL, JL, JT) 2. Adaptive cruise control and parallel park systems default action, if equipped, (Models: RU, WD, WL, JL, JT) 3. Transmission Control Module (TCM) coordinated code clear (Models: RU) 4. Recent Operation Counters Reset. (Models: RU) | | |
| Mfr Test Group Comments | T3BIN30 E10 - City Litmus Value: 16.1; City Litmus Threshold: 15.4; Hwy Litmus Value: 20.9; Hwy Litmus Threshold: 20.1; E10 Fuel Batch Properties - Fuel Net Heat of Combustion and Fuel Carbon Mass fraction values will appear in E0 fields for Fuel Batch properties submissions prior to 6/13/25 Fuel Net Heat of Combustion units will be in BTU/LB | | |
| Mfr Exhaust / Evap Standards Comments | -- | | |

Certification Summary Information Report

| | | | |
|---|--|---|--------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Evaporative/Refueling Family Information | | | |
| Evaporative Summary Information Type | New | Submission/Correction Date | 01/07/2026 02:35:50 PM |
| Integrated ORVR? | Yes | Fuel(s) | Gasoline |
| Multiple Fuel Storage | -- | | |
| Bladder Fuel Tank? | No | | |
| Fuel Tank Material | Plastic | Fuel Tank Material Description | hdpe/co-ex |
| Fill Pipe Seal Type | Liquid seal | | |
| Air Intake System Vapor Storage Device? | No | Air Intake System Vapor Storage Device Description | -- |
| Fuel System Vapor Storage Canister? | Yes | Other Vapor Storage | -- |
| Fuel System Vapor Storage Canister(s) Total Working Capacity (grams) | 204 | Number of Primary Canisters | 1 |
| Number of Bleed Canisters | 0 | Bleed Canister Total Working Capacity (grams) | 0 |
| Mfr Evaporative/Refueling Family Comments | -- | | |
| Leak Family Details | | | |
| Leak Family Indicator | Yes | | |
| Canister Bleed Test Indicator | Yes | Applicability of Evaporative Canister Bleed Test | 50 State |
| Evaporative Canister Bleed Test Comments | -- | | |
| CARB Fuel Only (Rig) Test Indicator | No | Applicability of CARB Fuel Only (Rig) Test | -- |
| CARB Fuel Only (Rig) Test Comments | -- | | |
| Leak Family Name | Applicability of Leak Family Requirements | Leak Family Standard (inches) | Leak Family Description |
| VCRXR0204RR0-LF1 | 50 State | 0.02 | -- |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 | | | | |
|--|-------------------------|--|-------------------------------------|------------------------|--------------|--------------|----------------|
| Models Covered by this Certificate | | | | | | | |
| Carline Manufacturer | Division | Carline | Certification Region Code(s) | Drive System | Trans - Type | - # of Gears | Trans - Lockup |
| FCA US LLC | 5 - Jeep | 592 - Grand Cherokee 4X2 | Federal | 2-Wheel Drive, Rear | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 592 - Grand Cherokee 4X2 | California + CAA Section 177 states | 2-Wheel Drive, Rear | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 591 - Grand Cherokee L 4X2 | Federal | 2-Wheel Drive, Rear | Automatic | 8 | Yes |
| FCA US LLC | 2 - Dodge | 290 - Durango RWD | Federal | 2-Wheel Drive, Rear | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 598 - Grand Cherokee L 4X4 | California + CAA Section 177 states | All Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 591 - Grand Cherokee L 4X2 | California + CAA Section 177 states | 2-Wheel Drive, Rear | Automatic | 8 | Yes |
| FCA US LLC | 2 - Dodge | 297 - Durango Pursuit AWD | California + CAA Section 177 states | All Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 2 - Dodge | 290 - Durango RWD | California + CAA Section 177 states | 2-Wheel Drive, Rear | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 599 - Grand Cherokee 4X4 | Federal | All Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 2 - Dodge | 295 - Durango AWD | California + CAA Section 177 states | All Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 2 - Dodge | 297 - Durango Pursuit AWD | Federal | All Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 2 - Dodge | 295 - Durango AWD | Federal | All Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 598 - Grand Cherokee L 4X4 | Federal | All Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 599 - Grand Cherokee 4X4 | California + CAA Section 177 states | All Wheel Drive | Automatic | 8 | Yes |
| Engine Description | | | | | | | |
| Hybrid Type | -- | Hybrid Description | -- | | | | |
| Engine Type | 4-Stroke Spark Ignition | Mfr Engine Description | -- | | | | |
| Engine Block Arrangement | V-shaped engine | Mfr Engine Block Arrangement Description | -- | | | | |
| Camless Valvetrain Indicator | No | Oil Viscosity/Classification | 0W-20 | | | | |
| Number of Cylinders/Rotors | 6 | Mechanically Variable Compression Ratio Indicator | N | | | | |
| After Treatment Device(s) (ATD) | | | | | | | |
| ATD Number | ATD Type | ATD Precious Metal | Substrate Material | Substrate Construction | | | |
| 1 | Three-way catalyst | Platinum + Palladium + Rhodium | Ceramic | Monolith | | | |
| 2 | Three-way catalyst | Palladium + Rhodium | Ceramic | Monolith | | | |
| Mfr After Treatment Device (ATD) Comments | THREE WAY CATALYST | | | | | | |
| Direct Ozone Reduction (DOR) Device | Not Equipped | | | | | | |
| Mfr Emission Control Device Comments | -- | | | | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 1 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 285 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 2 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 287 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 3 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 293 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| | | | |
|---|---------------------|---|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Engine Configuration Number 4 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 295 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Official Test Numbers

| Test Group Fuel | FTP | US06 | SC03 | Cold CO | Highway | EPA City | EPA City | EPA | EPA | CREE Weighting Factor |
|--------------------|--------------|--------------|--------------|--------------|--------------|-----------------|---------------------|----------------------------|--------------------------------|-----------------------------|
| | | | | | | Litmus Value | Litmus Threshold | Highway Litmus Value | Highway Litmus Threshold | |
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 | SCRX10085925 | SCRX10085921 | 18.6 | 228.2 | 27.2 | 286.1 | 1.0 |

SFTP LEV-III Official Test Numbers

| Test Group Fuel | FTP | US06 | SC03 |
|-----------------|--------------|--------------|--------------|
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 | | | | | | |
|---|---|---|--|------------------------|--------------|------|---|-------------------|----------|
| Emission Data Vehicle Information | | | | | | | | | |
| Vehicle ID / Configuration | LOWDE8893 / 0 | Manufacturer Vehicle Configuration Number | 0 | | | | | | |
| Original Test Group Name | LCRXT05.75P5 | Original Evaporative/Refueling Family | LCRXR0204RP0 | | | | | | |
| Original Test Vehicle Model Year | 2020 | | | | | | | | |
| Vehicle Model | | | | | | | | | |
| Represented Test Vehicle Make | Dodge | Represented Test Vehicle Model | Durango AWD | | | | | | |
| Leak Family Details | | | | | | | | | |
| Leak Family Identifier | -- | Leak Family Name | -- | | | | | | |
| Drive Sources and Fuel System Details | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Drive Source and Fuel#</th> <th style="width: 33%;">Drive Source</th> <th style="width: 33%;">Fuel</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Combustion Engine</td> <td style="text-align: center;">Gasoline</td> </tr> </tbody> </table> | | | | Drive Source and Fuel# | Drive Source | Fuel | 1 | Combustion Engine | Gasoline |
| Drive Source and Fuel# | Drive Source | Fuel | | | | | | | |
| 1 | Combustion Engine | Gasoline | | | | | | | |
| Hybrid Indicator | No | | | | | | | | |
| Multiple Fuel Storage | -- | Multiple Fuel Combustion | -- | | | | | | |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System Indicator | -- | | | | | | |
| Rechargeable Energy Storage System | -- | Rechargeable Energy Storage System, if 'Other' | -- | | | | | | |
| Off-board charge Capable Indicator | -- | | | | | | | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 | | | | | | |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | | | | | | | |
| Odometer Correction Units | Miles | | | | | | | | |
| Engine Code | AA-250 | Rated Horsepower | 295 | | | | | | |
| Displacement (liters) | 5.7 | | | | | | | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | | | | | | | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- | | | | | | |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear | | | | | | |
| Shift Indicator Light Usage | Not equipped | Aged Emission Components | 4,000 (mi) | | | | | | |
| Curb Weight (lbs) | 5427 | Equivalent Test Weight (pounds) | 5500 | | | | | | |
| GVWR (lbs) | 7100 | N/V Ratio | 23.7 | | | | | | |
| Axle Ratio | 3.09 | | | | | | | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 | | | | | | |
| Transmission Lockup | Yes | Creeper Gear | No | | | | | | |
| Dynamometer Coefficients: | | | | | | | | | |
| Target Coefficients | | | Set Coefficients | | | | | | |
| Coefficient Category | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | | | | | | |
| City/Highway/Evap | 58.52 | -0.0333 | 0.03035 | | | | | | |
| | | | A (lbf) | | | | | | |
| | | | B (lbf/mph) | | | | | | |
| | | | C (lbf/mph**2) | | | | | | |
| | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients | | | | | | |
| | | | 17.7 | | | | | | |
| Emission Control Device Comments | -- | | | | | | | | |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|-------------------|--------------|-------------------------------------|--------------|

Manufacturer Test Vehicle Comments Callout: 20EV-T05.75P5-1; LCRXR0204RP0 Evaporative Test Vehicle

| | | | |
|--|--|---------------------------------------|-------------------------------------|
| Test # | LCRX10059604 | Test Procedure | 38 - CA fuel 3-day evap. |
| Exhaust Test # for this Evap Test | LCRX10059602 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 03/29/2019 | Fuel | Gasoline |
| Fuel Batch ID | 10760 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 2966 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.32966 | -- |

Manufacturer Test Comments Callout: 20EV-T05.75P5-1; Cert 3-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.07971 , Diurnal (g) = 0.22553; Total =(0.30524 X 1.08) = 0.32966 (g)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.3297 | 0.0090 | 0.339 | 0.500 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.3297 | 0.0090 | 0.339 | 0.500 | Pass |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Test # | LCRX91004326 | Test Procedure | 27 - California fuel 2-day evap |
| Exhaust Test # for this Evap Test | LCRX91004321 | Test Fuel Type | 46 - CARB LEV3 E10 Regular |
| Test Date | 06/21/2019 | Fuel | Gasoline |
| Fuel Batch ID | 26757 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | -- | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 3127.1 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.355498 | -- |

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.060512, Diurnal (gHC) = 0.294986

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.3555 | 0.0057 | 0.361 | 0.500 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.3555 | 0.0057 | 0.361 | 0.500 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|--|---------------------------------------|--|
| Test # | LCRX10059603 | Test Procedure | 37 - California Fuel Running Loss |
| Exhaust Test # for this Evap Test | LCRX10059602 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 03/29/2019 | Fuel | Gasoline |
| Fuel Batch ID | 10760 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 2949 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.002408 | -- |

Manufacturer Test Comments Callout: 20EV-T05.75P5-1 ; Cert RL test(cE10) (0.00223 X 1.08) = 0.002408 (g)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.002 | 0.000 | 0.00 | 0.05 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.002 | 0.000 | 0.00 | 0.05 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|--|---------------------------------------|--|
| Test # | LCRX10059606 | Test Procedure | 24 - Federal fuel refueling test (ORVR) |
| Exhaust Test # for this Evap Test | LCRX10059601 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 05/07/2019 | Fuel | Gasoline |
| Fuel Batch ID | 10760 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 3038 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|---|-----------------------|---------------------------------------|
| HC (Hydrocarbon for Running Loss and ORVR) | 0.02268 | -- |

Manufacturer Test Comments

Callout: 20EV-T05.75P5-1; Cert ORVR(cE10)=(0.021 x 1.08) = 0.02268 (g/gallon)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|---------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC | 0.023 | 0.000 | 0.02 | 0.20 | Pass |
| CA | 150,000 miles | Other | HC | 0.023 | 0.000 | 0.02 | 0.20 | Pass |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|--------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Test # | LCRX10073747 | Test Procedure | 65 - Evap Canister Bleed Test |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular |
| Test Date | 01/31/2021 | Fuel | Gasoline |
| Fuel Batch ID | -- | Fuel Calibration Number | -- |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | Vexa | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 0 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | -- | Road Speed Fan Usage | -- |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.0129 | -- |

Manufacturer Test Comments Test run on a rig with aged components (not actual vehicle)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.0129 | 0.0000 | 0.013 | 0.020 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.0129 | 0.0000 | 0.013 | 0.020 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|-------------------|--------------|-------------------------------------|--------------|

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|--------------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | 18.6 |
| Cold CO | 69.63 | -0.3198 | 0.03984 | 27.83 | -0.3769 | 0.03869 | N/A |
| US06 | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | N/A |

Emission Control Device Comments

--

Manufacturer Test Vehicle Comments

callout: 25DA-T03.65P5-2

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Test # | SCRX10085920 | Test Procedure | 25 - California fuel 2-day exhaust (w/can load) |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6273 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 451.11 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 19.18 | 19.18 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 450.59 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 19.25 | 19.25 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 397.26 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 21.87 | 21.87 |
| METHANE (CH4 - Methane) | 0.007794 | -- |
| CO (Carbon Monoxide) | 0.520399 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.382 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.848 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -2.098 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19.9 | 19.9 |
| NOX (Nitrogen Oxide) | 0.007992 | -- |
| N2O (Nitrous Oxide) | 0.001615 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.011103 | -- |
| NMOG (Non-methane organic gases) | 0.012199 | -- |
| PM (Particulate Matter) | 0.000111 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.018344 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 437 | 999 |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | Evaporative/Refueling Family | | | | VCRXR0204RR0 | | | | |
|-----------------------------------|---------------|--|---------------|------------------------------|-----|-----------------------|--------------------------|--------------|---------|---------------------|----------|-----------|
| Test Result Name | | Unrounded Test Result | | | | Verify Calculated CO2 | | | | | | |
| Carbon dioxide | | 436.03844 | | | | -- | | | | | | |
| Manufacturer Test Comments | | 25DA-T03.65P5-2 city 150k Auto ESSon Fixed E10 | | | | | | | | | | |
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |
| CA | 150,000 miles | Other | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| CA | 150,000 miles | Other | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| CA | 150,000 miles | Other | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| CA | 150,000 miles | Other | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.001 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Test # | SCRX10085925 | Test Procedure | 11 - Cold CO |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) |
| Test Date | 04/28/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6413 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|---|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 569.02 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 14.95 | 14.95 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 505.1 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 17.12 | 17.12 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 442.21 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 19.57 | 19.57 |
| METHANE (CH4 - Methane) | 0.025875 | -- |
| CO (Carbon Monoxide) | 1.416991 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.6433 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | 0.4567 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 0.9298 | -- |
| MFR FE (Manufacturer Fuel Economy) | 17.2 | 17.2 |
| NOX (Nitrogen Oxide) | 0.025717 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.196472 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|---|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 504 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|-----------------------|-----------------------|-----------------------|
| Carbon dioxide | 501.08744 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 city 150k Auto ESSon Fixed CCO

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|-------------------|--------------|-------------------------------------|--------------|

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|-----------------------|---------------|----------------|-----|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Fed | 50,000 miles | Federal Tier 3 Bin 30 | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | HC-NM | 0.20 | -- | -- | -- | 0 | 1 | 0.2 | 0.3 | Pass |
| CA | 50,000 miles | Other | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Test # | SCRX10085921 | Test Procedure | 3 - HWFE |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6284 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.002349 | -- |
| CO (Carbon Monoxide) | 0.319216 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -0.909 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.384 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -1.077 | -- |
| MFR FE (Manufacturer Fuel Economy) | 29.4 | 29.4 |
| NOX (Nitrogen Oxide) | 0.002763 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.000402 | -- |
| NMOG (Non-methane organic gases) | 0.000414 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.002667 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 296 | 999 |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 294.5705 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 hwy 150k Auto ESSon Fixed E10

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|-------------------|--------------|-------------------------------------|--------------|

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|-----------------------|---------------|----------------|-----|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Test # | SCRX10085922 | Test Procedure | 90 - US06 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6312 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 686.97 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 12.45 | 12.45 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 379.3 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 22.36 | 22.36 |
| METHANE (CH4 - Methane) | 0.013449 | -- |
| CO (Carbon Monoxide) | 6.40656 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -3.383 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -1.702 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -6.194 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19 | 19 |
| NOX (Nitrogen Oxide) | 0.010247 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.022427 | -- |
| NMOG (Non-methane organic gases) | 0.023104 | -- |
| PM (Particulate Matter) | 0.000362 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.035397 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 457 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 447.42749 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 us06 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0204RR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.006 | Pass |
| CA | 150,000 miles | Other | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Test # | SCRX10085926 | Test Procedure | 95 - SC03 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/24/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6337 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.011898 | -- |
| CO (Carbon Monoxide) | 0.826855 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.046 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.901 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -0.486 | -- |
| MFR FE (Manufacturer Fuel Economy) | 18.3 | 18.3 |
| NOX (Nitrogen Oxide) | 0.007364 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.008623 | -- |
| NMOG (Non-methane organic gases) | 0.008883 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.019922 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 479 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 477.76898 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 sc03 rerun150k Auto ESSon RSF E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0204RR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.83 | -- | -- | -- | 0 | 1 | 0.8 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0163 | -- | -- | -- | -- | -- | 0.016 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|---|--|---|--------------|
| Fuel Properties | | | |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.828 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.7 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17975 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.828 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 10760 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 03/21/2019 |
| Fuel Batch Calibration Effective Date | 03/21/2019 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.827 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.754 |
| Fuel Ethanol Volume Percent (%) | 9.7 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17943 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.827 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.833 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.4 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17876 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.833 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) | Fuel Batch Calibration Date | 12/18/2023 |
| Fuel Batch Calibration Effective Date | 12/18/2023 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.829 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | 0 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|--|-------------------------------------|--|--------------|
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.743 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17958 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.829 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 26757 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 07/27/2017 |
| Fuel Batch Calibration Effective Date | 07/27/2017 | Fuel Batch Calibration Ineffective Date | 07/27/2032 |
| Carbon Weight Fraction NMHC | -- | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.749 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17958 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.827 | Weight Fraction CO2 | -- |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|-------------------|--------------|-------------------------------------|--------------|

Consolidated List of Standards

Exhaust Standards

| | | | |
|----------------------|----------------------------------|-------------------------|-----------------------|
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | US06 |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.006 |

| | | | |
|----------------------|-------------------------------------|-------------------------|--|
| Cert Region | California + CAA Section 177 states | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Other |
| Fuel | Gasoline | Test Procedure | California fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.001 |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0204RR0 | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0204RR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |
| 150,000 miles | HC-NM | -- | -- | -- | -- | -- | 1 | 0 | 0.3 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | US06 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|--|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0204RR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | California fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 | |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |
| | | | | | | | | | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| | | | | | | | | | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |

Certification Summary Information Report

| | | | |
|----------------------|----------------------------------|-------------------------------------|---|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | Federal fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|-------|
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |

Evaporative/Refueling Standards

| | | | |
|-------------------------------------|------------------------------|-----------------------|-------------------------------------|
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | California + CAA Section 177 states |
| Cert/In-Use Code | Cert | Standard Level | Other |
| Test Procedure | California Fuel Running Loss | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |

| | | | |
|-------------------------------------|---------------------|-----------------------|---------------------|
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | Federal |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap |
| Test Procedure | CA fuel 3-day evap. | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.500 | 0.0090 |

| | | | |
|-------------------------------------|--------------------------|-----------------------|-------------------------------------|
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | California + CAA Section 177 states |
| Cert/In-Use Code | Cert | Standard Level | Other |
| Test Procedure | Evap Canister Bleed Test | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |

| | | | |
|-------------------------------------|----------------------------|-----------------------|---------------------|
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | Federal |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap |
| Test Procedure | California fuel 2-day evap | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.500 | 0.0057 |

Certification Summary Information Report

| | | | | | |
|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------|---------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 | | |
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | CA fuel 3-day evap. | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.500 | 0.0090 |
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | Evap Canister Bleed Test | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |
| Evaporative/Refueling Family | VCRXR0204RR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | California fuel 2-day evap | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.500 | 0.0057 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|----------------------|---|------------------------------|--|
| Glossary | | | |
| Useful Life | | | |
| 4 | 4,000 miles | 120 | 120,000 miles |
| 50 | 50,000 miles | 150 | 150,000 miles |
| 100 | 100,000 miles | | |
| Emission Name | | | |
| HC-TOTAL | Total Hydrocarbon | COMB-CREE | Combined Carbon-Related Exhaust Emissions |
| CO | Carbon Monoxide | COMB-OPT-CREE | Combined Optional Carbon-Related Exhaust Emissions |
| CO2 | Carbon dioxide | HC-TOTAL-EQUIV | Total Hydrocarbon equivalent - Evap only |
| CREE | Carbon-Related Exhaust Emissions | METHANE-COMB | Combined CH4 for HD 2b/3 vehicles only |
| OPT-CREE | Optional Carbon-Related Exhaust Emissions | N2O-COMB | Combined Nitrous Oxide for HD 2b/3 vehicles only |
| NOX | Nitrogen Oxide | LEAK-DIA | Effective Leak Diameter (inches) |
| PM | Particulate Matter | LEAK-GAS CAP | Gas Cap Leakage (cc/min) |
| PM-COMP | SFTP Composite Particulate Matter | CO2-COMB | Combined Carbon Dioxide for HD 2b/3 Vehicles Only |
| HC-NM | Non-methane Hydrocarbon | KW-HRS | Integrated DC KW-HRS |
| OMHCE | Organic material Hydrocarbon Equivalent | CH4 BAG 1 | Bag 1 Methane |
| OMNMHCE | Organic material non-methane HC equivalent | CH4 BAG 2 | Bag 2 Methane |
| NMOG | Non-methane organic gases | CH4 BAG 3 | Bag 3 Methane |
| HCHO | Formaldehyde | CH4 BAG 4 | Bag 4 Methane |
| H3C2HO | Acetaldehyde | CO BAG 1 | Bag 1 Carbon Monoxide |
| HC-NM+NOX | SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03 | CO BAG 2 | Bag 2 Carbon Monoxide |
| HC-NM+NOX-COMP | SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides | CO BAG 3 | Bag 3 Carbon Monoxide |
| CO-COMP | SFTP Composite Carbon Monoxide | CO BAG 4 | Bag 4 Carbon Monoxide |
| ETHANOL | C2H5OH - Ethanol | NMOG BAG 1 | Bag 1 Non-methane organic gases |
| FE BAG 1 | Bag 1 Fuel Economy | NMOG BAG 2 | Bag 2 Non-methane organic gases |
| FE BAG 2 | Bag 2 Fuel Economy | NMOG BAG 3 | Bag 3 Non-methane organic gases |
| FE BAG 3 | Bag 3 Fuel Economy | NMOG BAG 4 | Bag 4 Non-methane organic gases |
| FE BAG 4 | Bag 4 Fuel Economy | ACT-DISTANCE BAG 1 | Bag 1 Actual Distance |
| MFR FE | Manufacturer Fuel Economy | ACT-DISTANCE BAG 2 | Bag 2 Actual Distance |
| HC | Hydrocarbon for Running Loss and ORVR | ACT-DISTANCE BAG 3 | Bag 3 Actual Distance |
| METHANE | CH4 - Methane | ACT-DISTANCE BAG 4 | Bag 4 Actual Distance |
| METHANOL | CH3OH - Methanol | HC-TOTAL BAG 1 | Bag 1 Total Hydrocarbon |
| N2O | Nitrous Oxide | HC-TOTAL BAG 2 | Bag 2 Total Hydrocarbon |
| SPITBACK | Spitback Hydrocarbon in grams | HC-TOTAL BAG 3 | Bag 3 Total Hydrocarbon |
| AMP-HRS | Integrated Amp-hours | HC-TOTAL BAG 4 | Bag 4 Total Hydrocarbon |
| START-SOC | System Start State of Charge Watt-hours | WATT-HRS BAG 1 | Bag 1 Watt Hours |
| END-SOC | System End State of Charge Watt-hours | WATT-HRS BAG 2 | Bag 2 Watt Hours |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | Evaporative/Refueling Family | | VCRXR0204RR0 |
|--|--|--------------|------------------------------|---|--------------|
| ACT-DISTANCE | Actual Distance Driven (miles) | | WATT-HRS BAG 3 | Bag 3 Watt Hours | |
| AS-VOLT | Average System Voltage | | WATT-HRS BAG 4 | Bag 4 Watt Hours | |
| CO2 BAG 1 | Bag 1 Carbon Dioxide | | WATT-HRS | Watt Hours | |
| CO2 BAG 2 | Bag 2 Carbon Dioxide | | HC-NM BAG 1 | Bag 1 Non-methane Hydrocarbon | |
| CO2 BAG 3 | Bag 3 Carbon Dioxide | | HC-NM BAG 2 | Bag 2 Non-methane Hydrocarbon | |
| CO2 BAG 4 | Bag 4 Carbon Dioxide | | HC-NM BAG 3 | Bag 3 Non-methane Hydrocarbon | |
| NMOG+NOX | Non-methane organic gases plus Nitrogen Oxides | | HC-NM BAG 4 | Bag 4 Non-methane Hydrocarbon | |
| NMOG+NOX-COMP | SFTP Composite Non-methane Organic Gases + Nitrogen Oxides | | N2O BAG 1 | Bag 1 Nitrous Oxide | |
| DT-IWRR | Drive Trace Inertia Work Ratio Rating | | N2O BAG 2 | Bag 2 Nitrous Oxide | |
| DT-ASCR | Drive Trace Absolute Speed Change Rating | | N2O BAG 3 | Bag 3 Nitrous Oxide | |
| DT-EER | Drive Trace Energy Economy Rating | | N2O BAG 4 | Bag 4 Nitrous Oxide | |
| Certification Region | | | | | |
| CA | California + CAA Section 177 states | | FA | Federal | |
| Exhaust Emission Standard Level | | | | | |
| B1 | Federal Tier 2 Bin 1 | | HDV2B340 | Federal Tier 3 HD Class 2b Transitional Bin 340 | |
| B2 | Federal Tier 2 Bin 2 | | HDV2B250 | Federal Tier 3 HD Class 2b Bin 250 | |
| B3 | Federal Tier 2 Bin 3 | | HDV2B200 | Federal Tier 3 HD Class 2b Bin 200 | |
| B4 | Federal Tier 2 Bin 4 | | HDV2B170 | Federal Tier 3 HD Class 2b Bin 170 | |
| B5 | Federal Tier 2 Bin 5 | | HDV2B150 | Federal Tier 3 HD Class 2b Bin 150 | |
| B6 | Federal Tier 2 Bin 6 | | HDV2B0 | Federal Tier 3 HD Class 2b Bin 0 | |
| B7 | Federal Tier 2 Bin 7 | | HDV3B630 | Federal Tier 3 HD Class 3 Transitional Bin 630 | |
| B8 | Federal Tier 2 Bin 8 | | HDV3B570 | Federal Tier 3 HD Class 3 Transitional Bin 570 | |
| B9 | Federal Tier 2 Bin 9 | | HDV3B400 | Federal Tier 3 HD Class 3 Bin 400 | |
| B10 | Federal Tier 2 Bin 10 | | HDV3B270 | Federal Tier 3 HD Class 3 Bin 270 | |
| B11 | Federal Tier 2 Bin 11 | | HDV3B230 | Federal Tier 3 HD Class 3 Bin 230 | |
| HDV1 | HDV1 (Federal HD chassis Class 2b GVW 8501-10000) | | HDV3B200 | Federal Tier 3 HD Class 3 Bin 200 | |
| HDV2 | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) | | HDV3B0 | Federal Tier 3 HD Class 3 Bin 0 | |
| L2 | California LEV-II LEV | | L4SULEV100 | California LEV-IV SULEV100 | |
| L2OP | California LEV-II LEV Optional | | L4SULEV125 | California LEV-IV SULEV125 | |
| U2 | California LEV-II ULEV | | L4SULEV15 | California LEV-IV SULEV15 | |
| S2 | California LEV-II SULEV | | L4SULEV150 | California LEV-IV SULEV150 | |
| ZEV | California ZEV | | L4SULEV170 | California LEV-IV SULEV170 | |
| OT | Other | | L4SULEV175 | California LEV-IV SULEV175 | |
| T1 | Federal Tier 1 | | L4SULEV20 | California LEV-IV SULEV20 | |
| PZEV | California PZEV | | L4SULEV200 | California LEV-IV SULEV200 | |
| L2LEV160 | California LEV-II LEV160 | | L4SULEV230 | California LEV-IV SULEV230 | |
| L2ULEV125 | California LEV-II ULEV125 | | L4SULEV25 | California LEV-IV SULEV25 | |
| L2SULEV30 | California LEV-II SULEV30 | | L4SULEV30 | California LEV-IV SULEV30 | |
| L2LEV395 | California LEV-II LEV395 | | L4SULEV75 | California LEV-IV SULEV75 | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|-------------------------------|---|------------------------------|--|
| L2ULEV340 | California LEV-II ULEV340 | L4SULEV85 | California LEV-IV SULEV85 |
| L2LEV630 | California LEV-II LEV630 | L4ULEV125 | California LEV-IV ULEV125 |
| L2ULEV570 | California LEV-II ULEV570 | L4ULEV200 | California LEV-IV ULEV200 |
| L3LEV160 | California LEV-III LEV160 | L4ULEV250 | California LEV-IV ULEV250 |
| L3ULEV125 | California LEV-III ULEV125 | L4ULEV270 | California LEV-IV ULEV270 |
| L3ULEV70 | California LEV-III ULEV70 | L4ULEV40 | California LEV-IV ULEV40 |
| L3ULEV50 | California LEV-III ULEV50 | L4ULEV400 | California LEV-IV ULEV400 |
| L3SULEV30 | California LEV-III SULEV30 | L4ULEV50 | California LEV-IV ULEV50 |
| L3SULEV20 | California LEV-III SULEV20 | L4ULEV60 | California LEV-IV ULEV60 |
| L3LEV395 | California LEV-III LEV395 | L4ULEV70 | California LEV-IV ULEV70 |
| L3ULEV340 | California LEV-III ULEV340 | T4B170 | Federal Tier 4 MDV Bin 170 |
| L3ULEV250 | California LEV-III ULEV250 | T4B150 | Federal Tier 4 MDV Bin 150 |
| L3ULEV200 | California LEV-III ULEV200 | T4B125 | Federal Tier 4 MDV Bin 125 |
| L3SULEV170 | California LEV-III SULEV170 | T4B100 | Federal Tier 4 MDV Bin 100 |
| L3SULEV150 | California LEV-III SULEV150 | T4B85 | Federal Tier 4 MDV Bin 85 |
| L3LEV630 | California LEV-III LEV630 | T4B75 | Federal Tier 4 MDV Bin 75 |
| L3ULEV570 | California LEV-III ULEV570 | T4B70 | Federal Tier 4 Bin 70 |
| L3ULEV400 | California LEV-III ULEV400 | T4B65 | Federal Tier 4 Bin 65 |
| L3ULEV270 | California LEV-III ULEV270 | T4B60 | Federal Tier 4 Bin 60 |
| L3SULEV230 | California LEV-III SULEV230 | T4B55 | Federal Tier 4 Bin 55 |
| L3SULEV200 | California LEV-III SULEV200 | T4B50 | Federal Tier 4 Bin 50 |
| T3B160 | Federal Tier 3 Bin 160 | T4B45 | Federal Tier 4 Bin 45 |
| T3B125 | Federal Tier 3 Bin 125 | T4B40 | Federal Tier 4 Bin 40 |
| T3B110 | Federal Tier 3 Transitional Bin 110 | T4B35 | Federal Tier 4 Bin 35 |
| T3B85 | Federal Tier 3 Transitional Bin 85 | T4B30 | Federal Tier 4 Bin 30 |
| T3SULEV30 | Federal Tier 3 Transitional LEV-II SULEV30 Carryover | T4B25 | Federal Tier 4 Bin 25 |
| T3B70 | Federal Tier 3 Bin 70 | T4B20 | Federal Tier 4 Bin 20 |
| T3B50 | Federal Tier 3 Bin 50 | T4B15 | Federal Tier 4 Bin 15 |
| T3B30 | Federal Tier 3 Bin 30 | T4B10 | Federal Tier 4 Bin 10 |
| T3B20 | Federal Tier 3 Bin 20 | T4B5 | Federal Tier 4 Bin 5 |
| T3B0 | Federal Tier 3 Bin 0 | T4B0 | Federal Tier 4 Bin 0 |
| HDV2B395 | Federal Tier 3 HD Class 2b Transitional Bin 395 | | |
| Transmission Type Code | | | |
| AMS | Automated Manual- Selectable (e.g. Automated Manual with paddles) | M | Manual |
| A | Automatic | OT | Other |
| AM | Automated Manual | SA | Semi-Automatic |
| CVT | Continuously Variable | SCV | Selectable Continuously Variable (e.g. CVT with paddles) |
| Drive System Code | | | |
| 4 | 4-Wheel Drive | P | Part-time 4-Wheel Drive |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0204RR0 |
|--------------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| F | 2-Wheel Drive, Front | A | All Wheel Drive |
| R | 2-Wheel Drive, Rear | | |
| Additional Terms and Acronyms | | | |
| AFC | Alternative Fuel Converter | ICI | Independent Commercial Importer |
| CSI | Certificate Summary Information | ORVR | Onboard Refueling Vapor Recovery |
| DF | Deterioration Factor | SIL | Shift Indicator Light |
| Evap | Evaporation, Evaporative | Trans | Transmission |

Certification Summary Information Report

| | | | |
|-----------------------------------|--------------|-------------------------------------|------------------------|
| Manufacturer | FCA US LLC | Manufacturer Code | CRX |
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Certificate Number | -- | CARB Executive Order # | -- |
| Certificate Issue Date | -- | Certificate Revision Date | -- |
| Certificate Effective Date | -- | Conditional Certificate | -- |
| CSI Revision # | -- | CSI Submission/Revision Date | 03/18/2026 02:59:59 PM |
| Model Year | 2027 | | |

| | | | |
|----------------------------------|-----------------------|--|-------------------------------------|
| Test Group Information | | | |
| CSI Type | Update for Correction | Running Change Reference Number | -- |
| GHG Exempt Status | Not Exempt | | |
| Drive Sources and Fuel(s) | | | |
| Drive Source #1: | Combustion Engine | | |
| | Fuel | Basic Fuel Metering System | Lean Burn Strategy Indicator |
| | Gasoline | Multipoint/sequential fuel injection | No |

| | | | |
|---|--|--|------------------|
| Hybrid Indicator | No | | |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Multiple Fuel Combustion | -- | Off-board Charge Capable Indicator | -- |
| Fuel Cell Indicator | -- | EPA Vehicle Class | LDT2, LDT4, LDT3 |
| Federal Clean Fuel Vehicle | Yes | Federal Clean Fuel Vehicle Standard | LEV |
| Federal Clean Fuel Vehicle ILEV | No | California Partial Zero Emissions Vehicle Indicator | No |
| Durability Group Name | VCRXGPGNNF12 | Durability Group Equivalency Factor | 1.0 |
| Reduced Fee Test Group | No | Certification Region Code(s) | FA, CA |
| Complies with HD GHG 2b/3 regulations? | No | | |
| Introduction into Commerce Date | -- | CAP2000 Conditional Certificate? | N/A |
| Independent Commercial Importer? | -- | Alternative Fuel Converter Certificate? | -- |
| SFTP Federal Composite Compliance Identifier | Tier 3 | SFTP Tier 2 Composite CO Option | No |
| SFTP LEV-III Composite Compliance Indicator | Yes | | |
| OBD Compliance Type | CARB | OBD Demonstration Vehicle Test Group | VCRXT03.6570 |
| Test Group OBD Compliance Level | Partial - with deficiencies and penalty | Number of Test Group OBD Deficiencies | 4 |
| OBD Deficiencies Comments | 1. SAE International (SAE) J1972-2 Implementation (Models: WD, WL, JL, JT) 2. Adaptive cruise control and parallel park systems default action, if equipped, (Models: RU, WD, WL, JL, JT) 3. Transmission Control Module (TCM) coordinated code clear (Models: RU) 4. Recent Operation Counters Reset. (Models: RU) | | |
| Mfr Test Group Comments | T3BIN30 E10 - City Litmus Value: 16.1; City Litmus Threshold: 15.4; Hwy Litmus Value: 20.9; Hwy Litmus Threshold: 20.1; E10 Fuel Batch Properties - Fuel Net Heat of Combustion and Fuel Carbon Mass fraction values will appear in E0 fields for Fuel Batch properties submissions prior to 6/13/25 Fuel Net Heat of Combustion units will be in BTU/LB | | |
| Mfr Exhaust / Evap Standards Comments | -- | | |

Certification Summary Information Report

| | | | | | | | |
|---|---|---|-------------------------------------|---------------------|---------------------|---------------------|-----------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 | | | | |
| Evaporative/Refueling Family Information | | | | | | | |
| Evaporative Summary Information Type | New | Submission/Correction Date | 01/07/2026 02:34:12 PM | | | | |
| Integrated ORVR? | Yes | Fuel(s) | Gasoline | | | | |
| Multiple Fuel Storage | -- | | | | | | |
| Bladder Fuel Tank? | No | | | | | | |
| Fuel Tank Material | Plastic | Fuel Tank Material Description | hdpe/co-ex | | | | |
| Fill Pipe Seal Type | Liquid seal | | | | | | |
| Air Intake System Vapor Storage Device? | No | Air Intake System Vapor Storage Device Description | -- | | | | |
| Fuel System Vapor Storage Canister? | Yes | Other Vapor Storage | -- | | | | |
| Fuel System Vapor Storage Canister(s) Total Working Capacity (grams) | 172 | Number of Primary Canisters | 1 | | | | |
| Number of Bleed Canisters | 0 | Bleed Canister Total Working Capacity (grams) | 0 | | | | |
| Mfr Evaporative/Refueling Family Comments | This Evaporative Family is being certified with an evaporative FEL of 0.375 grams, generating credits as compared to the nominal standard of 0.400 grams. | | | | | | |
| Leak Family Details | | | | | | | |
| Leak Family Indicator | Yes | | | | | | |
| Canister Bleed Test Indicator | Yes | Applicability of Evaporative Canister Bleed Test | 50 State | | | | |
| Evaporative Canister Bleed Test Comments | -- | | | | | | |
| CARB Fuel Only (Rig) Test Indicator | No | Applicability of CARB Fuel Only (Rig) Test | -- | | | | |
| CARB Fuel Only (Rig) Test Comments | -- | | | | | | |
| Leak Family Name | Applicability of Leak Family Requirements | Leak Family Standard (inches) | Leak Family Description | | | | |
| VCRXR0172PR0-LF1 | 50 State | 0.02 | -- | | | | |
| Models Covered by this Certificate | | | | | | | |
| Carline Manufacturer | Division | Carline | Certification Region Code(s) | Drive System | Trans - Type | - # of Gears | Trans - Lockup |
| FCA US LLC | 5 - Jeep | 548 - Wrangler 4dr 4X4 | Federal | 4-Wheel Drive | Manual | 6 | No |
| FCA US LLC | 5 - Jeep | 548 - Wrangler 4dr 4X4 | Federal | 4-Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 548 - Wrangler 4dr 4X4 | California + CAA Section 177 states | All Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 548 - Wrangler 4dr 4X4 | California + CAA Section 177 states | 4-Wheel Drive | Manual | 6 | No |
| FCA US LLC | 5 - Jeep | 548 - Wrangler 4dr 4X4 | California + CAA Section 177 states | 4-Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 548 - Wrangler 4dr 4X4 | Federal | All Wheel Drive | Automatic | 8 | Yes |

Certification Summary Information Report

| | | | |
|--|-------------------------|--|---------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Engine Description | | | |
| Hybrid Type | -- | Hybrid Description | -- |
| Engine Type | 4-Stroke Spark Ignition | Mfr Engine Description | -- |
| Engine Block Arrangement | V-shaped engine | Mfr Engine Block Arrangement Description | -- |
| Camless Valvetrain Indicator | No | Oil Viscosity/Classification | 0W-20 |
| Number of Cylinders/Rotors | 6 | Mechanically Variable Compression Ratio Indicator | N |
| After Treatment Device(s) (ATD) | | | |
| ATD Number | ATD Type | ATD Precious Metal | Substrate Material |
| 1 | Three-way catalyst | Platinum + Palladium + Rhodium | Ceramic |
| 2 | Three-way catalyst | Palladium + Rhodium | Ceramic |
| Mfr After Treatment Device (ATD) Comments | | | |
| Direct Ozone Reduction (DOR) Device | THREE WAY CATALYST | | |
| Mfr Emission Control Device Comments | Not Equipped | | |
| Engine Configuration Number 1 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 285 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 2 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 287 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 3 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 293 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| | | | |
|---|---------------------|---|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Engine Configuration Number 4 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 295 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

| | | | | | | | | | | |
|------------------------------|--------------|--------------|--------------|----------------|----------------|-----------------|------------------|----------------|------------------|------------------|
| Official Test Numbers | | | | | | | | | | |
| Test Group | | | | | | EPA City | EPA City | EPA | EPA | CREE |
| Fuel | FTP | US06 | SC03 | Cold CO | Highway | Litmus | Litmus | Highway | Highway | Weighting |
| | | | | | | Value | Threshold | Value | Threshold | Factor |
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 | SCRX10085925 | SCRX10085921 | 18.6 | 228.2 | 27.2 | 286.1 | 1.0 |

| | | | |
|---|--------------|--------------|--------------|
| SFTP LEV-III Official Test Numbers | | | |
| Test Group Fuel | FTP | US06 | SC03 |
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 | | | | | | |
|--|---|--|---------------------|------------------------|--------------|------|---|-------------------|----------|
| Emission Data Vehicle Information | | | | | | | | | |
| Vehicle ID / Configuration | L4WDE4727 / 1 | Manufacturer Vehicle Configuration Number | 1 | | | | | | |
| Original Test Group Name | SCRXT03.65P5 | Original Evaporative/Refueling Family | SCRXR0204RP0 | | | | | | |
| Original Test Vehicle Model Year | 2025 | | | | | | | | |
| Vehicle Model | | | | | | | | | |
| Represented Test Vehicle Make | Dodge | Represented Test Vehicle Model | Durango Pursuit AWD | | | | | | |
| Leak Family Details | | | | | | | | | |
| Leak Family Identifier | -- | Leak Family Name | -- | | | | | | |
| Drive Sources and Fuel System Details | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table> | | | Drive Source and Fuel# | Drive Source | Fuel | 1 | Combustion Engine | Gasoline |
| Drive Source and Fuel# | Drive Source | Fuel | | | | | | | |
| 1 | Combustion Engine | Gasoline | | | | | | | |
| Hybrid Indicator | No | | | | | | | | |
| Multiple Fuel Storage | -- | Multiple Fuel Combustion | -- | | | | | | |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System Indicator | -- | | | | | | |
| Rechargeable Energy Storage System | -- | Rechargeable Energy Storage System, if 'Other' | -- | | | | | | |
| Off-board charge Capable Indicator | -- | | | | | | | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 | | | | | | |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | | | | | | | |
| Odometer Correction Units | Miles | | | | | | | | |
| Engine Code | AA-0050 | Rated Horsepower | 295 | | | | | | |
| Displacement (liters) | 3.6 | | | | | | | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | | | | | | | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- | | | | | | |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear | | | | | | |
| Shift Indicator Light Usage | Equipped, not shifted by SIL | Aged Emission Components | 150,000 (mi) | | | | | | |
| Curb Weight (lbs) | 5018 | Equivalent Test Weight (pounds) | 5250 | | | | | | |
| GVWR (lbs) | 6500 | N/V Ratio | 27 | | | | | | |
| Axle Ratio | 3.45 | | | | | | | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 | | | | | | |
| Transmission Lockup | Yes | Creeper Gear | No | | | | | | |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|--------------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | 18.6 |
| Cold CO | 69.63 | -0.3198 | 0.03984 | 27.83 | -0.3769 | 0.03869 | N/A |
| US06 | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | N/A |

Emission Control Device Comments

--

Manufacturer Test Vehicle Comments

callout: 25DA-T03.65P5-2

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Test # | SCRX10085920 | Test Procedure | 25 - California fuel 2-day exhaust (w/can load) |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6273 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 451.11 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 19.18 | 19.18 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 450.59 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 19.25 | 19.25 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 397.26 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 21.87 | 21.87 |
| METHANE (CH4 - Methane) | 0.007794 | -- |
| CO (Carbon Monoxide) | 0.520399 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.382 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.848 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -2.098 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19.9 | 19.9 |
| NOX (Nitrogen Oxide) | 0.007992 | -- |
| N2O (Nitrous Oxide) | 0.001615 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.011103 | -- |
| NMOG (Non-methane organic gases) | 0.012199 | -- |
| PM (Particulate Matter) | 0.000111 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.018344 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 437 | 999 |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | Evaporative/Refueling Family | | | | VCRXR0172PR0 | | | | |
|-----------------------------------|---------------|--|---------------|------------------------------|-----|-----------------------|--------------------------|--------------|---------|---------------------|----------|-----------|
| Test Result Name | | Unrounded Test Result | | | | Verify Calculated CO2 | | | | | | |
| Carbon dioxide | | 436.03844 | | | | -- | | | | | | |
| Manufacturer Test Comments | | 25DA-T03.65P5-2 city 150k Auto ESSon Fixed E10 | | | | | | | | | | |
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |
| CA | 150,000 miles | Other | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| CA | 150,000 miles | Other | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| CA | 150,000 miles | Other | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| CA | 150,000 miles | Other | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.001 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Test # | SCRX10085925 | Test Procedure | 11 - Cold CO |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) |
| Test Date | 04/28/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6413 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 569.02 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 14.95 | 14.95 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 505.1 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 17.12 | 17.12 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 442.21 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 19.57 | 19.57 |
| METHANE (CH4 - Methane) | 0.025875 | -- |
| CO (Carbon Monoxide) | 1.416991 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.6433 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | 0.4567 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 0.9298 | -- |
| MFR FE (Manufacturer Fuel Economy) | 17.2 | 17.2 |
| NOX (Nitrogen Oxide) | 0.025717 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.196472 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 504 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 501.08744 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 city 150k Auto ESSon Fixed CCO

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0172PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 50,000 miles | Federal Tier 3 Bin 30 | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | HC-NM | 0.20 | -- | -- | -- | 0 | 1 | 0.2 | 0.3 | Pass |
| CA | 50,000 miles | Other | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Test # | SCRX10085921 | Test Procedure | 3 - HWFE |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6284 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|---|-----------------------|--|
| METHANE (CH4 - Methane) | 0.002349 | -- |
| CO (Carbon Monoxide) | 0.319216 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -0.909 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.384 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -1.077 | -- |
| MFR FE (Manufacturer Fuel Economy) | 29.4 | 29.4 |
| NOX (Nitrogen Oxide) | 0.002763 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.000402 | -- |
| NMOG (Non-methane organic gases) | 0.000414 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.002667 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|---|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 296 | 999 |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|-----------------------|-----------------------|-----------------------|
| Carbon dioxide | 294.5705 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 hwy 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0172PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Test # | SCRX10085922 | Test Procedure | 90 - US06 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6312 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 686.97 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 12.45 | 12.45 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 379.3 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 22.36 | 22.36 |
| METHANE (CH4 - Methane) | 0.013449 | -- |
| CO (Carbon Monoxide) | 6.40656 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -3.383 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -1.702 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -6.194 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19 | 19 |
| NOX (Nitrogen Oxide) | 0.010247 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.022427 | -- |
| NMOG (Non-methane organic gases) | 0.023104 | -- |
| PM (Particulate Matter) | 0.000362 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.035397 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 457 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 447.42749 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 us06 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0172PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.006 | Pass |
| CA | 150,000 miles | Other | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Test # | SCRX10085926 | Test Procedure | 95 - SC03 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/24/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6337 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.011898 | -- |
| CO (Carbon Monoxide) | 0.826855 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.046 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.901 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -0.486 | -- |
| MFR FE (Manufacturer Fuel Economy) | 18.3 | 18.3 |
| NOX (Nitrogen Oxide) | 0.007364 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.008623 | -- |
| NMOG (Non-methane organic gases) | 0.008883 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.019922 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 479 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 477.76898 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 sc03 rerun150k Auto ESSon RSF E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | | Evaporative/Refueling Family | | | | VCRXR0172PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.83 | -- | -- | -- | 0 | 1 | 0.8 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0163 | -- | -- | -- | -- | -- | 0.016 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|---|---------------|--|------------------------|
| Vehicle ID / Configuration | L8JLJ2008 / 0 | Manufacturer Vehicle Configuration Number | 0 |
| Original Test Group Name | JCRXT03.65P5 | Original Evaporative/Refueling Family | JCRXR0172PP0 |
| Original Test Vehicle Model Year | 2018 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Jeep | Represented Test Vehicle Model | Wrangler Unlimited 4X4 |

Leak Family Details

| | | | |
|-------------------------------|----|-------------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|-------------------------------|----|-------------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|---|---|---|---------------------|
| Hybrid Indicator | No | | |
| Multiple Fuel Storage | -- | Multiple Fuel Combustion | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System Indicator | -- |
| Rechargeable Energy Storage System | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Off-board charge Capable Indicator | -- | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | | |
| Engine Code | AA-600 | Rated Horsepower | 295 |
| Displacement (liters) | 3.6 | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Shift Indicator Light Usage | Not equipped | Aged Emission Components | 4,000 (mi) |
| Curb Weight (lbs) | 4258 | Equivalent Test Weight (pounds) | 4500 |
| GVWR (lbs) | 5300 | N/V Ratio | 29.1 |
| Axle Ratio | 4.1 | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 |
| Transmission Lockup | Yes | Creeper Gear | No |

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|--------------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 43.45 | 0.1331 | 0.03998 | -30.05 | 0.4585 | 0.03169 | 20 |
| US06 | 43.45 | 0.1331 | 0.03998 | -30.05 | 0.4585 | 0.03169 | N/A |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Emission Control Device Comments | -- | | |
| Manufacturer Test Vehicle Comments | JL LWB EVAP, 18EV-T03.65P5-2; updated for 2wd dyno testing at EPA; FCA testing was in 4WD dyno mode. | | |
| Test # | JCRX91003702 | Test Procedure | 27 - California fuel 2-day evap |
| Exhaust Test # for this Evap Test | JCRX91003690 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 24670 | Fuel Calibration Number | 2 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | -- | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 4427.1 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|---|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.2219 | -- |

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.022678, Diurnal (gHC) = 0.199222

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.2219 | 0.0057 | 0.228 | 0.375 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.2219 | 0.0057 | 0.228 | 0.375 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|----------------------------------|---------------|---|------------------------|
| Vehicle ID / Configuration | L8JLJ2008 / 1 | Manufacturer Vehicle Configuration Number | 1 |
| Original Test Group Name | JCRXT03.65P5 | Original Evaporative/Refueling Family | JCRXR0172PP0 |
| Original Test Vehicle Model Year | 2018 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Jeep | Represented Test Vehicle Model | Wrangler Unlimited 4X4 |

Leak Family Details

| | | | |
|------------------------|----|------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|------------------------|----|------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|------------------------------------|---|--|---------------------|
| Hybrid Indicator | No | Multiple Fuel Combustion | -- |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Rechargeable Energy Storage System | -- | | |
| Off-board charge Capable Indicator | -- | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | | |
| Engine Code | AA-600 | Rated Horsepower | 295 |
| Displacement (liters) | 3.6 | Air Aspiration Method, if 'Other' | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Device Configuration | -- |
| Number of Air Aspiration Devices | 0 | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Charge Air Cooler Type | -- | Aged Emission Components | 4,000 (mi) |
| Shift Indicator Light Usage | Not equipped | Equivalent Test Weight (pounds) | 4500 |
| Curb Weight (lbs) | 4258 | N/V Ratio | 29.1 |
| GVWR (lbs) | 5300 | | |
| Axle Ratio | 4.1 | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 |
| Transmission Lockup | Yes | Creeper Gear | No |

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|----------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 86.98 | -0.5921 | 0.04897 | 55.38 | -0.4694 | 0.04423 | 24 |
| US06 | 86.98 | -0.5921 | 0.04897 | 55.38 | -0.4694 | 0.04423 | N/A |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
| Emission Control Device Comments | -- | | |
| Manufacturer Test Vehicle Comments | JL LWB 2WD Dyno mode, 18EV-T03.65P5-2 | | |
| Test # | JCRX10050401 | Test Procedure | 38 - CA fuel 3-day evap. |
| Exhaust Test # for this Evap Test | JCRX10050397 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 08/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 4023 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.29217 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; JL LWB Cert 3-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.04967, Diurnal_HC (g) = 0.22086; Total =(0.27053 X 1.08) = 0.29217 (g)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.2922 | 0.0090 | 0.301 | 0.375 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.2922 | 0.0090 | 0.301 | 0.375 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|---|---------------------------------------|--|
| Test # | JCRX10050400 | Test Procedure | 37 - California Fuel Running Loss |
| Exhaust Test # for this Evap Test | JCRX10050397 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 08/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Actual Total Hydrocarbon Equivalent Measurement (with speciation) | | |
| Test Start Odometer Reading | 4006 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.00003 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; JL LWB Cert RL Evap (cE10)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.000 | 0.000 | 0.00 | 0.05 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.000 | 0.000 | 0.00 | 0.05 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|---|---------------------------------------|---|
| Test # | JCRX10050402 | Test Procedure | 24 - Federal fuel refueling test (ORVR) |
| Exhaust Test # for this Evap Test | JCRX10050398 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/09/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 4135 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC (Hydrocarbon for Running Loss and ORVR) | 0.038 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; ORVR (cE10)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|---------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC | 0.038 | 0.000 | 0.04 | 0.20 | Pass |
| CA | 150,000 miles | Other | HC | 0.038 | 0.000 | 0.04 | 0.20 | Pass |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 | | | | | | |
|--|--|---------------------------------------|--------------------------------------|------------------|-----------------------|---------------------------------------|--|-------|----|
| Test # | JCRX10074149 | Test Procedure | 65 - Evap Canister Bleed Test | | | | | | |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular | | | | | | |
| Test Date | 07/06/2017 | Fuel | Gasoline | | | | | | |
| Fuel Batch ID | -- | Fuel Calibration Number | -- | | | | | | |
| Vehicle Class | N/A | DF Type | Mfr. Determined | | | | | | |
| Verify Test Lab ID | IDIADA/STANT Spain | | | | | | | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | | | | | | | |
| Test Start Odometer Reading | 0 | Odometer Units | M | | | | | | |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- | | | | | | |
| State of Charge Delta | -- | | | | | | | | |
| Drive Cycle Speed Tolerance Criteria | -- | Road Speed Fan Usage | -- | | | | | | |
| Test Results | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Test Result Name</th> <th style="width: 30%;">Unrounded Test Result</th> <th style="width: 35%;">Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td style="text-align: center;">0.015</td> <td style="text-align: center;">--</td> </tr> </tbody> </table> | | | | Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value | HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.015 | -- |
| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value | | | | | | | |
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.015 | -- | | | | | | | |
| Manufacturer Test Comments | | | | | | | | | |
| Test run on a rig with aged components (not actual vehicle) | | | | | | | | | |
| Certification | | | | | | | | | |
| Region | Useful Life | Standard Level | Emission Name | | | | | | |
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | | | | | | |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | | | | | | |
| | | | Rounded Result | | | | | | |
| | | | 0.0150 | | | | | | |
| | | | Add DF | | | | | | |
| | | | 0.0000 | | | | | | |
| | | | Certification Level | | | | | | |
| | | | 0.015 | | | | | | |
| | | | Standard | | | | | | |
| | | | 0.020 | | | | | | |
| | | | Pass/Fail | | | | | | |
| | | | Pass | | | | | | |
| | | | Pass | | | | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|---|--|---|--------------|
| Fuel Properties | | | |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.828 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.7 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17975 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.828 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.833 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.4 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17876 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.833 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) | Fuel Batch Calibration Date | 12/18/2023 |
| Fuel Batch Calibration Effective Date | 12/18/2023 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.829 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | 0 |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.743 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17958 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.829 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 24670 | Fuel Calibration Number | 2 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 12/04/2015 |
| Fuel Batch Calibration Effective Date | 12/04/2015 | Fuel Batch Calibration Ineffective Date | 12/04/2030 |
| Carbon Weight Fraction NMHC | -- | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|--|-------------------------------------|--|--------------|
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.749 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17963 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.826 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 08/07/2017 |
| Fuel Batch Calibration Effective Date | 08/07/2017 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.826 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.746 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17886 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.826 | Weight Fraction CO2 | -- |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Consolidated List of Standards

Exhaust Standards

| | | | |
|----------------------|----------------------------------|-------------------------|-----------------------|
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | US06 |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.006 |

| | | | |
|----------------------|-------------------------------------|-------------------------|--|
| Cert Region | California + CAA Section 177 states | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Other |
| Fuel | Gasoline | Test Procedure | California fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.001 |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0172PR0 | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0172PR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |
| 150,000 miles | HC-NM | -- | -- | -- | -- | -- | 1 | 0 | 0.3 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | US06 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|--|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0172PR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | California fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 | |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |
| | | | | | | | | | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| | | | | | | | | | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |

Certification Summary Information Report

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|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0172PR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

Evaporative/Refueling Standards

| | | | | | | | | | | |
|-------------------------------------|--------------------|----------------------------|-----------------------|------------|-----------------------|--|--|---------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0172PR0 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Federal Tier 3 Evap | | |
| Test Procedure | | California fuel 2-day evap | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0057 | | | | | |

| | | | | | | | | | | |
|-------------------------------------|--------------------|----------------------------|-----------------------|------------|-----------------------|--|--|-------------------------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0172PR0 | | | Cert Region | | | California + CAA Section 177 states | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Other | | |
| Test Procedure | | California fuel 2-day evap | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0057 | | | | | |

| | | | | | | | | | | |
|-------------------------------------|--------------------|----------------------|-----------------------|------------|-----------------------|--|--|-------------------------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0172PR0 | | | Cert Region | | | California + CAA Section 177 states | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Other | | |
| Test Procedure | | CA fuel 3-day evap. | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0090 | | | | | |

| | | | | | | | | | | |
|-------------------------------------|--------------------|--------------------------|-----------------------|------------|-----------------------|--|--|---------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0172PR0 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Federal Tier 3 Evap | | |
| Test Procedure | | Evap Canister Bleed Test | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 | | | | | |

Certification Summary Information Report

| | | | | | |
|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------|---------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 | | |
| Evaporative/Refueling Family | VCRXR0172PR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | CA fuel 3-day evap. | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0090 |
| Evaporative/Refueling Family | VCRXR0172PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |
| Evaporative/Refueling Family | VCRXR0172PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |
| Evaporative/Refueling Family | VCRXR0172PR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |
| Evaporative/Refueling Family | VCRXR0172PR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |
| Evaporative/Refueling Family | VCRXR0172PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Evap Canister Bleed Test | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|----------------------|---|------------------------------|--|
| Glossary | | | |
| Useful Life | | | |
| 4 | 4,000 miles | 120 | 120,000 miles |
| 50 | 50,000 miles | 150 | 150,000 miles |
| 100 | 100,000 miles | | |
| Emission Name | | | |
| HC-TOTAL | Total Hydrocarbon | COMB-CREE | Combined Carbon-Related Exhaust Emissions |
| CO | Carbon Monoxide | COMB-OPT-CREE | Combined Optional Carbon-Related Exhaust Emissions |
| CO2 | Carbon dioxide | HC-TOTAL-EQUIV | Total Hydrocarbon equivalent - Evap only |
| CREE | Carbon-Related Exhaust Emissions | METHANE-COMB | Combined CH4 for HD 2b/3 vehicles only |
| OPT-CREE | Optional Carbon-Related Exhaust Emissions | N2O-COMB | Combined Nitrous Oxide for HD 2b/3 vehicles only |
| NOX | Nitrogen Oxide | LEAK-DIA | Effective Leak Diameter (inches) |
| PM | Particulate Matter | LEAK-GAS CAP | Gas Cap Leakage (cc/min) |
| PM-COMP | SFTP Composite Particulate Matter | CO2-COMB | Combined Carbon Dioxide for HD 2b/3 Vehicles Only |
| HC-NM | Non-methane Hydrocarbon | KW-HRS | Integrated DC KW-HRS |
| OMHCE | Organic material Hydrocarbon Equivalent | CH4 BAG 1 | Bag 1 Methane |
| OMNMHCE | Organic material non-methane HC equivalent | CH4 BAG 2 | Bag 2 Methane |
| NMOG | Non-methane organic gases | CH4 BAG 3 | Bag 3 Methane |
| HCHO | Formaldehyde | CH4 BAG 4 | Bag 4 Methane |
| H3C2HO | Acetaldehyde | CO BAG 1 | Bag 1 Carbon Monoxide |
| HC-NM+NOX | SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03 | CO BAG 2 | Bag 2 Carbon Monoxide |
| HC-NM+NOX-COMP | SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides | CO BAG 3 | Bag 3 Carbon Monoxide |
| CO-COMP | SFTP Composite Carbon Monoxide | CO BAG 4 | Bag 4 Carbon Monoxide |
| ETHANOL | C2H5OH - Ethanol | NMOG BAG 1 | Bag 1 Non-methane organic gases |
| FE BAG 1 | Bag 1 Fuel Economy | NMOG BAG 2 | Bag 2 Non-methane organic gases |
| FE BAG 2 | Bag 2 Fuel Economy | NMOG BAG 3 | Bag 3 Non-methane organic gases |
| FE BAG 3 | Bag 3 Fuel Economy | NMOG BAG 4 | Bag 4 Non-methane organic gases |
| FE BAG 4 | Bag 4 Fuel Economy | ACT-DISTANCE BAG 1 | Bag 1 Actual Distance |
| MFR FE | Manufacturer Fuel Economy | ACT-DISTANCE BAG 2 | Bag 2 Actual Distance |
| HC | Hydrocarbon for Running Loss and ORVR | ACT-DISTANCE BAG 3 | Bag 3 Actual Distance |
| METHANE | CH4 - Methane | ACT-DISTANCE BAG 4 | Bag 4 Actual Distance |
| METHANOL | CH3OH - Methanol | HC-TOTAL BAG 1 | Bag 1 Total Hydrocarbon |
| N2O | Nitrous Oxide | HC-TOTAL BAG 2 | Bag 2 Total Hydrocarbon |
| SPITBACK | Spitback Hydrocarbon in grams | HC-TOTAL BAG 3 | Bag 3 Total Hydrocarbon |
| AMP-HRS | Integrated Amp-hours | HC-TOTAL BAG 4 | Bag 4 Total Hydrocarbon |
| START-SOC | System Start State of Charge Watt-hours | WATT-HRS BAG 1 | Bag 1 Watt Hours |
| END-SOC | System End State of Charge Watt-hours | WATT-HRS BAG 2 | Bag 2 Watt Hours |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | Evaporative/Refueling Family | | VCRXR0172PR0 |
|--|--|--------------|------------------------------|---|--------------|
| ACT-DISTANCE | Actual Distance Driven (miles) | | WATT-HRS BAG 3 | Bag 3 Watt Hours | |
| AS-VOLT | Average System Voltage | | WATT-HRS BAG 4 | Bag 4 Watt Hours | |
| CO2 BAG 1 | Bag 1 Carbon Dioxide | | WATT-HRS | Watt Hours | |
| CO2 BAG 2 | Bag 2 Carbon Dioxide | | HC-NM BAG 1 | Bag 1 Non-methane Hydrocarbon | |
| CO2 BAG 3 | Bag 3 Carbon Dioxide | | HC-NM BAG 2 | Bag 2 Non-methane Hydrocarbon | |
| CO2 BAG 4 | Bag 4 Carbon Dioxide | | HC-NM BAG 3 | Bag 3 Non-methane Hydrocarbon | |
| NMOG+NOX | Non-methane organic gases plus Nitrogen Oxides | | HC-NM BAG 4 | Bag 4 Non-methane Hydrocarbon | |
| NMOG+NOX-COMP | SFTP Composite Non-methane Organic Gases + Nitrogen Oxides | | N2O BAG 1 | Bag 1 Nitrous Oxide | |
| DT-IWRR | Drive Trace Inertia Work Ratio Rating | | N2O BAG 2 | Bag 2 Nitrous Oxide | |
| DT-ASCR | Drive Trace Absolute Speed Change Rating | | N2O BAG 3 | Bag 3 Nitrous Oxide | |
| DT-EER | Drive Trace Energy Economy Rating | | N2O BAG 4 | Bag 4 Nitrous Oxide | |
| Certification Region | | | | | |
| CA | California + CAA Section 177 states | | FA | Federal | |
| Exhaust Emission Standard Level | | | | | |
| B1 | Federal Tier 2 Bin 1 | | HDV2B340 | Federal Tier 3 HD Class 2b Transitional Bin 340 | |
| B2 | Federal Tier 2 Bin 2 | | HDV2B250 | Federal Tier 3 HD Class 2b Bin 250 | |
| B3 | Federal Tier 2 Bin 3 | | HDV2B200 | Federal Tier 3 HD Class 2b Bin 200 | |
| B4 | Federal Tier 2 Bin 4 | | HDV2B170 | Federal Tier 3 HD Class 2b Bin 170 | |
| B5 | Federal Tier 2 Bin 5 | | HDV2B150 | Federal Tier 3 HD Class 2b Bin 150 | |
| B6 | Federal Tier 2 Bin 6 | | HDV2B0 | Federal Tier 3 HD Class 2b Bin 0 | |
| B7 | Federal Tier 2 Bin 7 | | HDV3B630 | Federal Tier 3 HD Class 3 Transitional Bin 630 | |
| B8 | Federal Tier 2 Bin 8 | | HDV3B570 | Federal Tier 3 HD Class 3 Transitional Bin 570 | |
| B9 | Federal Tier 2 Bin 9 | | HDV3B400 | Federal Tier 3 HD Class 3 Bin 400 | |
| B10 | Federal Tier 2 Bin 10 | | HDV3B270 | Federal Tier 3 HD Class 3 Bin 270 | |
| B11 | Federal Tier 2 Bin 11 | | HDV3B230 | Federal Tier 3 HD Class 3 Bin 230 | |
| HDV1 | HDV1 (Federal HD chassis Class 2b GVW 8501-10000) | | HDV3B200 | Federal Tier 3 HD Class 3 Bin 200 | |
| HDV2 | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) | | HDV3B0 | Federal Tier 3 HD Class 3 Bin 0 | |
| L2 | California LEV-II LEV | | L4SULEV100 | California LEV-IV SULEV100 | |
| L2OP | California LEV-II LEV Optional | | L4SULEV125 | California LEV-IV SULEV125 | |
| U2 | California LEV-II ULEV | | L4SULEV15 | California LEV-IV SULEV15 | |
| S2 | California LEV-II SULEV | | L4SULEV150 | California LEV-IV SULEV150 | |
| ZEV | California ZEV | | L4SULEV170 | California LEV-IV SULEV170 | |
| OT | Other | | L4SULEV175 | California LEV-IV SULEV175 | |
| T1 | Federal Tier 1 | | L4SULEV20 | California LEV-IV SULEV20 | |
| PZEV | California PZEV | | L4SULEV200 | California LEV-IV SULEV200 | |
| L2LEV160 | California LEV-II LEV160 | | L4SULEV230 | California LEV-IV SULEV230 | |
| L2ULEV125 | California LEV-II ULEV125 | | L4SULEV25 | California LEV-IV SULEV25 | |
| L2SULEV30 | California LEV-II SULEV30 | | L4SULEV30 | California LEV-IV SULEV30 | |
| L2LEV395 | California LEV-II LEV395 | | L4SULEV75 | California LEV-IV SULEV75 | |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | Evaporative/Refueling Family | | VCRXR0172PR0 |
|-------------------------------|---|--------------|--|----------------------------|--------------|
| L2ULEV340 | California LEV-II ULEV340 | | L4SULEV85 | California LEV-IV SULEV85 | |
| L2LEV630 | California LEV-II LEV630 | | L4ULEV125 | California LEV-IV ULEV125 | |
| L2ULEV570 | California LEV-II ULEV570 | | L4ULEV200 | California LEV-IV ULEV200 | |
| L3LEV160 | California LEV-III LEV160 | | L4ULEV250 | California LEV-IV ULEV250 | |
| L3ULEV125 | California LEV-III ULEV125 | | L4ULEV270 | California LEV-IV ULEV270 | |
| L3ULEV70 | California LEV-III ULEV70 | | L4ULEV40 | California LEV-IV ULEV40 | |
| L3ULEV50 | California LEV-III ULEV50 | | L4ULEV400 | California LEV-IV ULEV400 | |
| L3SULEV30 | California LEV-III SULEV30 | | L4ULEV50 | California LEV-IV ULEV50 | |
| L3SULEV20 | California LEV-III SULEV20 | | L4ULEV60 | California LEV-IV ULEV60 | |
| L3LEV395 | California LEV-III LEV395 | | L4ULEV70 | California LEV-IV ULEV70 | |
| L3ULEV340 | California LEV-III ULEV340 | | T4B170 | Federal Tier 4 MDV Bin 170 | |
| L3ULEV250 | California LEV-III ULEV250 | | T4B150 | Federal Tier 4 MDV Bin 150 | |
| L3ULEV200 | California LEV-III ULEV200 | | T4B125 | Federal Tier 4 MDV Bin 125 | |
| L3SULEV170 | California LEV-III SULEV170 | | T4B100 | Federal Tier 4 MDV Bin 100 | |
| L3SULEV150 | California LEV-III SULEV150 | | T4B85 | Federal Tier 4 MDV Bin 85 | |
| L3LEV630 | California LEV-III LEV630 | | T4B75 | Federal Tier 4 MDV Bin 75 | |
| L3ULEV570 | California LEV-III ULEV570 | | T4B70 | Federal Tier 4 Bin 70 | |
| L3ULEV400 | California LEV-III ULEV400 | | T4B65 | Federal Tier 4 Bin 65 | |
| L3ULEV270 | California LEV-III ULEV270 | | T4B60 | Federal Tier 4 Bin 60 | |
| L3SULEV230 | California LEV-III SULEV230 | | T4B55 | Federal Tier 4 Bin 55 | |
| L3SULEV200 | California LEV-III SULEV200 | | T4B50 | Federal Tier 4 Bin 50 | |
| T3B160 | Federal Tier 3 Bin 160 | | T4B45 | Federal Tier 4 Bin 45 | |
| T3B125 | Federal Tier 3 Bin 125 | | T4B40 | Federal Tier 4 Bin 40 | |
| T3B110 | Federal Tier 3 Transitional Bin 110 | | T4B35 | Federal Tier 4 Bin 35 | |
| T3B85 | Federal Tier 3 Transitional Bin 85 | | T4B30 | Federal Tier 4 Bin 30 | |
| T3SULEV30 | Federal Tier 3 Transitional LEV-II SULEV30 Carryover | | T4B25 | Federal Tier 4 Bin 25 | |
| T3B70 | Federal Tier 3 Bin 70 | | T4B20 | Federal Tier 4 Bin 20 | |
| T3B50 | Federal Tier 3 Bin 50 | | T4B15 | Federal Tier 4 Bin 15 | |
| T3B30 | Federal Tier 3 Bin 30 | | T4B10 | Federal Tier 4 Bin 10 | |
| T3B20 | Federal Tier 3 Bin 20 | | T4B5 | Federal Tier 4 Bin 5 | |
| T3B0 | Federal Tier 3 Bin 0 | | T4B0 | Federal Tier 4 Bin 0 | |
| HDV2B395 | Federal Tier 3 HD Class 2b Transitional Bin 395 | | | | |
| Transmission Type Code | | | | | |
| AMS | Automated Manual- Selectable (e.g. Automated Manual with paddles) | M | Manual | | |
| A | Automatic | OT | Other | | |
| AM | Automated Manual | SA | Semi-Automatic | | |
| CVT | Continuously Variable | SCV | Selectable Continuously Variable (e.g. CVT with paddles) | | |
| Drive System Code | | | | | |
| 4 | 4-Wheel Drive | P | Part-time 4-Wheel Drive | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0172PR0 |
|--------------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| F | 2-Wheel Drive, Front | A | All Wheel Drive |
| R | 2-Wheel Drive, Rear | | |
| Additional Terms and Acronyms | | | |
| AFC | Alternative Fuel Converter | ICI | Independent Commercial Importer |
| CSI | Certificate Summary Information | ORVR | Onboard Refueling Vapor Recovery |
| DF | Deterioration Factor | SIL | Shift Indicator Light |
| Evap | Evaporation, Evaporative | Trans | Transmission |

Certification Summary Information Report

| | | | |
|-----------------------------------|--------------|-------------------------------------|------------------------|
| Manufacturer | FCA US LLC | Manufacturer Code | CRX |
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
| Certificate Number | -- | CARB Executive Order # | -- |
| Certificate Issue Date | -- | Certificate Revision Date | -- |
| Certificate Effective Date | -- | Conditional Certificate | -- |
| CSI Revision # | -- | CSI Submission/Revision Date | 03/18/2026 02:59:59 PM |
| Model Year | 2027 | | |

| | | | |
|----------------------------------|-----------------------|--|-------------------------------------|
| Test Group Information | | | |
| CSI Type | Update for Correction | Running Change Reference Number | -- |
| GHG Exempt Status | Not Exempt | | |
| Drive Sources and Fuel(s) | | | |
| Drive Source #1: | Combustion Engine | | |
| | Fuel | Basic Fuel Metering System | Lean Burn Strategy Indicator |
| | Gasoline | Multipoint/sequential fuel injection | No |

| | | | |
|---|--|--|------------------|
| Hybrid Indicator | No | | |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Multiple Fuel Combustion | -- | Off-board Charge Capable Indicator | -- |
| Fuel Cell Indicator | -- | EPA Vehicle Class | LDT2, LDT4, LDT3 |
| Federal Clean Fuel Vehicle | Yes | Federal Clean Fuel Vehicle Standard | LEV |
| Federal Clean Fuel Vehicle ILEV | No | California Partial Zero Emissions Vehicle Indicator | No |
| Durability Group Name | VCRXGPGNNF12 | Durability Group Equivalency Factor | 1.0 |
| Reduced Fee Test Group | No | Certification Region Code(s) | FA, CA |
| Complies with HD GHG 2b/3 regulations? | No | | |
| Introduction into Commerce Date | -- | CAP2000 Conditional Certificate? | N/A |
| Independent Commercial Importer? | -- | Alternative Fuel Converter Certificate? | -- |
| SFTP Federal Composite Compliance Identifier | Tier 3 | SFTP Tier 2 Composite CO Option | No |
| SFTP LEV-III Composite Compliance Indicator | Yes | | |
| OBD Compliance Type | CARB | OBD Demonstration Vehicle Test Group | VCRXT03.6570 |
| Test Group OBD Compliance Level | Partial - with deficiencies and penalty | Number of Test Group OBD Deficiencies | 4 |
| OBD Deficiencies Comments | 1. SAE International (SAE) J1972-2 Implementation (Models: WD, WL, JL, JT) 2. Adaptive cruise control and parallel park systems default action, if equipped, (Models: RU, WD, WL, JL, JT) 3. Transmission Control Module (TCM) coordinated code clear (Models: RU) 4. Recent Operation Counters Reset. (Models: RU) | | |
| Mfr Test Group Comments | T3BIN30 E10 - City Litmus Value: 16.1; City Litmus Threshold: 15.4; Hwy Litmus Value: 20.9; Hwy Litmus Threshold: 20.1; E10 Fuel Batch Properties - Fuel Net Heat of Combustion and Fuel Carbon Mass fraction values will appear in E0 fields for Fuel Batch properties submissions prior to 6/13/25 Fuel Net Heat of Combustion units will be in BTU/LB | | |
| Mfr Exhaust / Evap Standards Comments | -- | | |

Certification Summary Information Report

| | | | | | | | |
|---|---|---|-------------------------------------|---------------------|---------------------|---------------------|-----------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 | | | | |
| Evaporative/Refueling Family Information | | | | | | | |
| Evaporative Summary Information Type | New | Submission/Correction Date | 01/07/2026 02:33:27 PM | | | | |
| Integrated ORVR? | Yes | Fuel(s) | Gasoline | | | | |
| Multiple Fuel Storage | -- | | | | | | |
| Bladder Fuel Tank? | No | | | | | | |
| Fuel Tank Material | Plastic | Fuel Tank Material Description | hdpe/co-ex | | | | |
| Fill Pipe Seal Type | Liquid seal | | | | | | |
| Air Intake System Vapor Storage Device? | No | Air Intake System Vapor Storage Device Description | -- | | | | |
| Fuel System Vapor Storage Canister? | Yes | Other Vapor Storage | -- | | | | |
| Fuel System Vapor Storage Canister(s) Total Working Capacity (grams) | 166 | Number of Primary Canisters | 1 | | | | |
| Number of Bleed Canisters | 0 | Bleed Canister Total Working Capacity (grams) | 0 | | | | |
| Mfr Evaporative/Refueling Family Comments | This Evaporative Family is being certified with an evaporative FEL of 0.375 grams, generating credits as compared to the nominal standard of 0.400 grams. | | | | | | |
| Leak Family Details | | | | | | | |
| Leak Family Indicator | Yes | | | | | | |
| Canister Bleed Test Indicator | Yes | Applicability of Evaporative Canister Bleed Test | 50 State | | | | |
| Evaporative Canister Bleed Test Comments | -- | | | | | | |
| CARB Fuel Only (Rig) Test Indicator | No | Applicability of CARB Fuel Only (Rig) Test | -- | | | | |
| CARB Fuel Only (Rig) Test Comments | -- | | | | | | |
| Leak Family Name | Applicability of Leak Family Requirements | Leak Family Standard (inches) | Leak Family Description | | | | |
| VCRXR0166PR0-LF1 | 50 State | 0.02 | -- | | | | |
| Models Covered by this Certificate | | | | | | | |
| Carline Manufacturer | Division | Carline | Certification Region Code(s) | Drive System | Trans - Type | - # of Gears | Trans - Lockup |
| FCA US LLC | 5 - Jeep | 550 - Gladiator 4X4 | Federal | 4-Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 550 - Gladiator 4X4 | California + CAA Section 177 states | 4-Wheel Drive | Automatic | 8 | Yes |
| Engine Description | | | | | | | |
| Hybrid Type | -- | Hybrid Description | -- | | | | |
| Engine Type | 4-Stroke Spark Ignition | Mfr Engine Description | -- | | | | |
| Engine Block Arrangement | V-shaped engine | Mfr Engine Block Arrangement Description | -- | | | | |
| Camless Valvetrain Indicator | No | Oil Viscosity/Classification | 0W-20 | | | | |
| Number of Cylinders/Rotors | 6 | Mechanically Variable Compression Ratio Indicator | N | | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 | |
|--|---------------------|---|--------------------|------------------------|
| After Treatment Device(s) (ATD) | | | | |
| ATD Number | ATD Type | ATD Precious Metal | Substrate Material | Substrate Construction |
| 1 | Three-way catalyst | Platinum + Palladium + Rhodium | Ceramic | Monolith |
| 2 | Three-way catalyst | Palladium + Rhodium | Ceramic | Monolith |
| Mfr After Treatment Device (ATD) Comments | | | | |
| | | THREE WAY CATALYST | | |
| Direct Ozone Reduction (DOR) Device | | | | |
| | | Not Equipped | | |
| Mfr Emission Control Device Comments | | | | |
| | | -- | | |
| Engine Configuration Number 1 | | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 285 | |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 | |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 | |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A | |
| Air Aspiration Drive Method(s) | -- | | | |
| Cylinder Deactivation | No | | | |
| Cylinder Deactivation Description | -- | | | |
| Variable Valve Timing | Yes | | | |
| Variable Valve Timing System Description | Cam Phaser | | | |
| Variable Valve Lift? | No | | | |
| Variable Valve Lift System Description | -- | | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 | |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- | |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- | |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- | |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- | |
| Mfr Air/Fuel Sensor Comments | -- | | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes | |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- | |
| Closed Loop Air Injection System | No | | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- | |
| Mfr Engine Configuration Comments | -- | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 2 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 287 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 3 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 293 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| | | | | | | | | | | |
|---|---------------------|---|--------------|----------------|----------------|------------------------------|----------------------------------|---------------------------------|-------------------------------------|------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 | | | | | | | |
| Engine Configuration Number 4 | | | | | | | | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 295 | | | | | | | |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 | | | | | | | |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 | | | | | | | |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A | | | | | | | |
| Air Aspiration Drive Method(s) | -- | | | | | | | | | |
| Cylinder Deactivation | No | | | | | | | | | |
| Cylinder Deactivation Description | -- | | | | | | | | | |
| Variable Valve Timing | Yes | | | | | | | | | |
| Variable Valve Timing System Description | Cam Phaser | | | | | | | | | |
| Variable Valve Lift? | No | | | | | | | | | |
| Variable Valve Lift System Description | -- | | | | | | | | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 | | | | | | | |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- | | | | | | | |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- | | | | | | | |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- | | | | | | | |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- | | | | | | | |
| Mfr Air/Fuel Sensor Comments | -- | | | | | | | | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes | | | | | | | |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- | | | | | | | |
| Closed Loop Air Injection System | No | | | | | | | | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- | | | | | | | |
| Mfr Engine Configuration Comments | -- | | | | | | | | | |
| Official Test Numbers | | | | | | | | | | |
| Test Group Fuel | FTP | US06 | SC03 | Cold CO | Highway | EPA City Litmus Value | EPA City Litmus Threshold | EPA Highway Litmus Value | EPA Highway Litmus Threshold | CREE Weighting Factor |
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 | SCRX10085925 | SCRX10085921 | 18.6 | 228.2 | 27.2 | 286.1 | 1.0 |
| SFTP LEV-III Official Test Numbers | | | | | | | | | | |
| Test Group Fuel | FTP | US06 | SC03 | | | | | | | |
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 | | | | | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 | | | | | | |
|--|---|---|---------------------|------------------------|--------------|------|---|-------------------|----------|
| Emission Data Vehicle Information | | | | | | | | | |
| Vehicle ID / Configuration | L4WDE4727 / 1 | Manufacturer Vehicle Configuration Number | 1 | | | | | | |
| Original Test Group Name | SCRXT03.65P5 | Original Evaporative/Refueling Family | SCRXR0204RP0 | | | | | | |
| Original Test Vehicle Model Year | 2025 | | | | | | | | |
| Vehicle Model | | | | | | | | | |
| Represented Test Vehicle Make | Dodge | Represented Test Vehicle Model | Durango Pursuit AWD | | | | | | |
| Leak Family Details | | | | | | | | | |
| Leak Family Identifier | -- | Leak Family Name | -- | | | | | | |
| Drive Sources and Fuel System Details | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table> | | | Drive Source and Fuel# | Drive Source | Fuel | 1 | Combustion Engine | Gasoline |
| Drive Source and Fuel# | Drive Source | Fuel | | | | | | | |
| 1 | Combustion Engine | Gasoline | | | | | | | |
| Hybrid Indicator | No | | | | | | | | |
| Multiple Fuel Storage | -- | Multiple Fuel Combustion | -- | | | | | | |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System Indicator | -- | | | | | | |
| Rechargeable Energy Storage System | -- | Rechargeable Energy Storage System, if 'Other' | -- | | | | | | |
| Off-board charge Capable Indicator | -- | | | | | | | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 | | | | | | |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | | | | | | | |
| Odometer Correction Units | Miles | | | | | | | | |
| Engine Code | AA-0050 | Rated Horsepower | 295 | | | | | | |
| Displacement (liters) | 3.6 | | | | | | | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | | | | | | | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- | | | | | | |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear | | | | | | |
| Shift Indicator Light Usage | Equipped, not shifted by SIL | Aged Emission Components | 150,000 (mi) | | | | | | |
| Curb Weight (lbs) | 5018 | Equivalent Test Weight (pounds) | 5250 | | | | | | |
| GVWR (lbs) | 6500 | N/V Ratio | 27 | | | | | | |
| Axle Ratio | 3.45 | | | | | | | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 | | | | | | |
| Transmission Lockup | Yes | Creeper Gear | No | | | | | | |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166PR0 |
|------------------------------------|--------------------------|---------------------|----------------|---------|------------------------------|----------------|------|--|
| Dynamometer Coefficients: | | | | | | | | |
| | | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
| Coefficient Category | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | | |
| City/Highway/Evap | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | 18.6 | |
| Cold CO | 69.63 | -0.3198 | 0.03984 | 27.83 | -0.3769 | 0.03869 | N/A | |
| US06 | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | N/A | |
| Emission Control Device Comments | -- | | | | | | | |
| Manufacturer Test Vehicle Comments | callout: 25DA-T03.65P5-2 | | | | | | | |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
| Test # | SCRX10085920 | Test Procedure | 25 - California fuel 2-day exhaust (w/can load) |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6273 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 451.11 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 19.18 | 19.18 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 450.59 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 19.25 | 19.25 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 397.26 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 21.87 | 21.87 |
| METHANE (CH4 - Methane) | 0.007794 | -- |
| CO (Carbon Monoxide) | 0.520399 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.382 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.848 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -2.098 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19.9 | 19.9 |
| NOX (Nitrogen Oxide) | 0.007992 | -- |
| N2O (Nitrous Oxide) | 0.001615 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.011103 | -- |
| NMOG (Non-methane organic gases) | 0.012199 | -- |
| PM (Particulate Matter) | 0.000111 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.018344 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 437 | 999 |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | Evaporative/Refueling Family | | | | VCRXR0166PR0 | | | | |
|-----------------------------------|---------------|--|---------------|------------------------------|-----|-----------------------|--------------------------|--------------|---------|---------------------|----------|-----------|
| Test Result Name | | Unrounded Test Result | | | | Verify Calculated CO2 | | | | | | |
| Carbon dioxide | | 436.03844 | | | | -- | | | | | | |
| Manufacturer Test Comments | | 25DA-T03.65P5-2 city 150k Auto ESSon Fixed E10 | | | | | | | | | | |
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |
| CA | 150,000 miles | Other | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| CA | 150,000 miles | Other | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| CA | 150,000 miles | Other | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| CA | 150,000 miles | Other | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.001 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
| Test # | SCRX10085925 | Test Procedure | 11 - Cold CO |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) |
| Test Date | 04/28/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6413 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 569.02 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 14.95 | 14.95 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 505.1 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 17.12 | 17.12 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 442.21 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 19.57 | 19.57 |
| METHANE (CH4 - Methane) | 0.025875 | -- |
| CO (Carbon Monoxide) | 1.416991 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.6433 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | 0.4567 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 0.9298 | -- |
| MFR FE (Manufacturer Fuel Economy) | 17.2 | 17.2 |
| NOX (Nitrogen Oxide) | 0.025717 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.196472 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 504 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 501.08744 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 city 150k Auto ESSon Fixed CCO

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|-------------------|--------------|-------------------------------------|--------------|

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|-----------------------|---------------|----------------|-----|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Fed | 50,000 miles | Federal Tier 3 Bin 30 | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | HC-NM | 0.20 | -- | -- | -- | 0 | 1 | 0.2 | 0.3 | Pass |
| CA | 50,000 miles | Other | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
| Test # | SCRX10085921 | Test Procedure | 3 - HWFE |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6284 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.002349 | -- |
| CO (Carbon Monoxide) | 0.319216 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -0.909 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.384 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -1.077 | -- |
| MFR FE (Manufacturer Fuel Economy) | 29.4 | 29.4 |
| NOX (Nitrogen Oxide) | 0.002763 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.000402 | -- |
| NMOG (Non-methane organic gases) | 0.000414 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.002667 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 296 | 999 |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 294.5705 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 hwy 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0166PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
| Test # | SCRX10085922 | Test Procedure | 90 - US06 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6312 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 686.97 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 12.45 | 12.45 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 379.3 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 22.36 | 22.36 |
| METHANE (CH4 - Methane) | 0.013449 | -- |
| CO (Carbon Monoxide) | 6.40656 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -3.383 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -1.702 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -6.194 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19 | 19 |
| NOX (Nitrogen Oxide) | 0.010247 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.022427 | -- |
| NMOG (Non-methane organic gases) | 0.023104 | -- |
| PM (Particulate Matter) | 0.000362 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.035397 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 457 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 447.42749 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 us06 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0166PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.006 | Pass |
| CA | 150,000 miles | Other | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
| Test # | SCRX10085926 | Test Procedure | 95 - SC03 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/24/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6337 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.011898 | -- |
| CO (Carbon Monoxide) | 0.826855 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.046 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.901 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -0.486 | -- |
| MFR FE (Manufacturer Fuel Economy) | 18.3 | 18.3 |
| NOX (Nitrogen Oxide) | 0.007364 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.008623 | -- |
| NMOG (Non-methane organic gases) | 0.008883 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.019922 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 479 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 477.76898 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 sc03 rerun150k Auto ESSon RSF E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0166PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.83 | -- | -- | -- | 0 | 1 | 0.8 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0163 | -- | -- | -- | -- | -- | 0.016 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|----------------------------------|---------------|---|------------------------|
| Vehicle ID / Configuration | L8JLJ2008 / 0 | Manufacturer Vehicle Configuration Number | 0 |
| Original Test Group Name | JCRXT03.65P5 | Original Evaporative/Refueling Family | JCRXR0172PP0 |
| Original Test Vehicle Model Year | 2018 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Jeep | Represented Test Vehicle Model | Wrangler Unlimited 4X4 |

Leak Family Details

| | | | |
|------------------------|----|------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|------------------------|----|------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|------------------------------------|---|--|---------------------|
| Hybrid Indicator | No | Multiple Fuel Combustion | -- |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Rechargeable Energy Storage System | -- | | |
| Off-board charge Capable Indicator | -- | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | | |
| Engine Code | AA-600 | Rated Horsepower | 295 |
| Displacement (liters) | 3.6 | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Shift Indicator Light Usage | Not equipped | Aged Emission Components | 4,000 (mi) |
| Curb Weight (lbs) | 4258 | Equivalent Test Weight (pounds) | 4500 |
| GVWR (lbs) | 5300 | N/V Ratio | 29.1 |
| Axle Ratio | 4.1 | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 |
| Transmission Lockup | Yes | Creeper Gear | No |

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|----------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 43.45 | 0.1331 | 0.03998 | -30.05 | 0.4585 | 0.03169 | 20 |
| US06 | 43.45 | 0.1331 | 0.03998 | -30.05 | 0.4585 | 0.03169 | N/A |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
| Emission Control Device Comments | -- | | |
| Manufacturer Test Vehicle Comments | JL LWB EVAP, 18EV-T03.65P5-2; updated for 2wd dyno testing at EPA; FCA testing was in 4WD dyno mode. | | |
| Test # | JCRX91003702 | Test Procedure | 27 - California fuel 2-day evap |
| Exhaust Test # for this Evap Test | JCRX91003690 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 24670 | Fuel Calibration Number | 2 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | -- | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 4427.1 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.2219 | -- |

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.022678, Diurnal (gHC) = 0.199222

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.2219 | 0.0057 | 0.228 | 0.375 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.2219 | 0.0057 | 0.228 | 0.375 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|----------------------------------|---------------|---|------------------------|
| Vehicle ID / Configuration | L8JLJ2008 / 1 | Manufacturer Vehicle Configuration Number | 1 |
| Original Test Group Name | JCRXT03.65P5 | Original Evaporative/Refueling Family | JCRXR0172PP0 |
| Original Test Vehicle Model Year | 2018 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Jeep | Represented Test Vehicle Model | Wrangler Unlimited 4X4 |

Leak Family Details

| | | | |
|------------------------|----|------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|------------------------|----|------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|------------------------------------|---|--|---------------------|
| Hybrid Indicator | No | Multiple Fuel Combustion | -- |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Rechargeable Energy Storage System | -- | | |
| Off-board charge Capable Indicator | -- | Odometer Correction Factor | 1 |
| Odometer Correction -- Initial | 0 | | |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | Rated Horsepower | 295 |
| Engine Code | AA-600 | Air Aspiration Method, if 'Other' | |
| Displacement (liters) | 3.6 | Air Aspiration Device Configuration | -- |
| Air Aspiration Method | Naturally Aspirated | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Number of Air Aspiration Devices | 0 | Aged Emission Components | 4,000 (mi) |
| Charge Air Cooler Type | -- | Equivalent Test Weight (pounds) | 4500 |
| Shift Indicator Light Usage | Not equipped | N/V Ratio | 29.1 |
| Curb Weight (lbs) | 4258 | # of Transmission Gears | 8 |
| GVWR (lbs) | 5300 | Creeper Gear | No |
| Axle Ratio | 4.1 | | |
| Transmission Type | Automatic | | |
| Transmission Lockup | Yes | | |

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|----------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 86.98 | -0.5921 | 0.04897 | 55.38 | -0.4694 | 0.04423 | 24 |
| US06 | 86.98 | -0.5921 | 0.04897 | 55.38 | -0.4694 | 0.04423 | N/A |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
| Emission Control Device Comments | -- | | |
| Manufacturer Test Vehicle Comments | JL LWB 2WD Dyno mode, 18EV-T03.65P5-2 | | |
| Test # | JCRX10050401 | Test Procedure | 38 - CA fuel 3-day evap. |
| Exhaust Test # for this Evap Test | JCRX10050397 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 08/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 4023 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.29217 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; JL LWB Cert 3-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.04967, Diurnal_HC (g) = 0.22086; Total =(0.27053 X 1.08) = 0.29217 (g)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.2922 | 0.0090 | 0.301 | 0.375 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.2922 | 0.0090 | 0.301 | 0.375 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|---|---------------------------------------|--|
| Test # | JCRX10050400 | Test Procedure | 37 - California Fuel Running Loss |
| Exhaust Test # for this Evap Test | JCRX10050397 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 08/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Actual Total Hydrocarbon Equivalent Measurement (with speciation) | | |
| Test Start Odometer Reading | 4006 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.00003 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; JL LWB Cert RL Evap (cE10)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.000 | 0.000 | 0.00 | 0.05 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.000 | 0.000 | 0.00 | 0.05 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|---|---------------------------------------|---|
| Test # | JCRX10050402 | Test Procedure | 24 - Federal fuel refueling test (ORVR) |
| Exhaust Test # for this Evap Test | JCRX10050398 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/09/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 4135 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC (Hydrocarbon for Running Loss and ORVR) | 0.038 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; ORVR (cE10)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|---------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC | 0.038 | 0.000 | 0.04 | 0.20 | Pass |
| CA | 150,000 miles | Other | HC | 0.038 | 0.000 | 0.04 | 0.20 | Pass |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 | | | | | | |
|--|--|---------------------------------------|--------------------------------------|-----------------------|-----------------------|---------------------------------------|--|------------------|----|
| Test # | JCRX10074149 | Test Procedure | 65 - Evap Canister Bleed Test | | | | | | |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular | | | | | | |
| Test Date | 07/06/2017 | Fuel | Gasoline | | | | | | |
| Fuel Batch ID | -- | Fuel Calibration Number | -- | | | | | | |
| Vehicle Class | N/A | DF Type | Mfr. Determined | | | | | | |
| Verify Test Lab ID | IDIADA/STANT Spain | | | | | | | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | | | | | | | |
| Test Start Odometer Reading | 0 | Odometer Units | M | | | | | | |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- | | | | | | |
| State of Charge Delta | -- | | | | | | | | |
| Drive Cycle Speed Tolerance Criteria | -- | Road Speed Fan Usage | -- | | | | | | |
| Test Results | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Test Result Name</th> <th style="width: 30%;">Unrounded Test Result</th> <th style="width: 35%;">Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td style="text-align: center;">0.015</td> <td style="text-align: center;">--</td> </tr> </tbody> </table> | | | | Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value | HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.015 | -- |
| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value | | | | | | | |
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.015 | -- | | | | | | | |
| Manufacturer Test Comments | | | | | | | | | |
| Test run on a rig with aged components (not actual vehicle) | | | | | | | | | |
| Certification | | | | | | | | | |
| Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail | |
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.0150 | 0.0000 | 0.015 | 0.020 | Pass | |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.0150 | 0.0000 | 0.015 | 0.020 | Pass | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|---|--|---|--------------|
| Fuel Properties | | | |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.828 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.7 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17975 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.828 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.833 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.4 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17876 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.833 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) | Fuel Batch Calibration Date | 12/18/2023 |
| Fuel Batch Calibration Effective Date | 12/18/2023 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.829 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | 0 |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.743 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17958 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.829 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 24670 | Fuel Calibration Number | 2 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 12/04/2015 |
| Fuel Batch Calibration Effective Date | 12/04/2015 | Fuel Batch Calibration Ineffective Date | 12/04/2030 |
| Carbon Weight Fraction NMHC | -- | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|--|-------------------------------------|--|--------------|
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.749 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17963 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.826 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 08/07/2017 |
| Fuel Batch Calibration Effective Date | 08/07/2017 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.826 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.746 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17886 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.826 | Weight Fraction CO2 | -- |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Consolidated List of Standards

Exhaust Standards

| | | | |
|----------------------|----------------------------------|-------------------------|-----------------------|
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | US06 |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.006 |

| | | | |
|----------------------|-------------------------------------|-------------------------|--|
| Cert Region | California + CAA Section 177 states | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Other |
| Fuel | Gasoline | Test Procedure | California fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.001 |

Certification Summary Information Report

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|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166PR0 | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

Certification Summary Information Report

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|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166PR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |
| 150,000 miles | HC-NM | -- | -- | -- | -- | -- | 1 | 0 | 0.3 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | US06 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |

Certification Summary Information Report

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|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|--|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166PR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | California fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 | |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |
| | | | | | | | | | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| | | | | | | | | | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |

Certification Summary Information Report

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|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166PR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

Evaporative/Refueling Standards

| | | | | | | | | | | |
|-------------------------------------|--------------------|----------------------------|-----------------------|------------|-----------------------|--|--|---------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0166PR0 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Federal Tier 3 Evap | | |
| Test Procedure | | California fuel 2-day evap | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0057 | | | | | |

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|-------------------------------------|--------------------|----------------------|-----------------------|------------|-----------------------|--|--|-------------------------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0166PR0 | | | Cert Region | | | California + CAA Section 177 states | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Other | | |
| Test Procedure | | CA fuel 3-day evap. | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0090 | | | | | |

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|-------------------------------------|--------------------|--------------------------|-----------------------|------------|-----------------------|--|--|---------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0166PR0 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Federal Tier 3 Evap | | |
| Test Procedure | | Evap Canister Bleed Test | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 | | | | | |

| | | | | | | | | | | |
|-------------------------------------|--------------------|----------------------------|-----------------------|------------|-----------------------|--|--|-------------------------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0166PR0 | | | Cert Region | | | California + CAA Section 177 states | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Other | | |
| Test Procedure | | California fuel 2-day evap | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0057 | | | | | |

Certification Summary Information Report

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|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------|---------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 | | |
| Evaporative/Refueling Family | VCRXR0166PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Evap Canister Bleed Test | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |
| Evaporative/Refueling Family | VCRXR0166PR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | CA fuel 3-day evap. | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0090 |
| Evaporative/Refueling Family | VCRXR0166PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |
| Evaporative/Refueling Family | VCRXR0166PR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |
| Evaporative/Refueling Family | VCRXR0166PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |
| Evaporative/Refueling Family | VCRXR0166PR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|----------------------|---|------------------------------|--|
| Glossary | | | |
| Useful Life | | | |
| 4 | 4,000 miles | 120 | 120,000 miles |
| 50 | 50,000 miles | 150 | 150,000 miles |
| 100 | 100,000 miles | | |
| Emission Name | | | |
| HC-TOTAL | Total Hydrocarbon | COMB-CREE | Combined Carbon-Related Exhaust Emissions |
| CO | Carbon Monoxide | COMB-OPT-CREE | Combined Optional Carbon-Related Exhaust Emissions |
| CO2 | Carbon dioxide | HC-TOTAL-EQUIV | Total Hydrocarbon equivalent - Evap only |
| CREE | Carbon-Related Exhaust Emissions | METHANE-COMB | Combined CH4 for HD 2b/3 vehicles only |
| OPT-CREE | Optional Carbon-Related Exhaust Emissions | N2O-COMB | Combined Nitrous Oxide for HD 2b/3 vehicles only |
| NOX | Nitrogen Oxide | LEAK-DIA | Effective Leak Diameter (inches) |
| PM | Particulate Matter | LEAK-GAS CAP | Gas Cap Leakage (cc/min) |
| PM-COMP | SFTP Composite Particulate Matter | CO2-COMB | Combined Carbon Dioxide for HD 2b/3 Vehicles Only |
| HC-NM | Non-methane Hydrocarbon | KW-HRS | Integrated DC KW-HRS |
| OMHCE | Organic material Hydrocarbon Equivalent | CH4 BAG 1 | Bag 1 Methane |
| OMNMHCE | Organic material non-methane HC equivalent | CH4 BAG 2 | Bag 2 Methane |
| NMOG | Non-methane organic gases | CH4 BAG 3 | Bag 3 Methane |
| HCHO | Formaldehyde | CH4 BAG 4 | Bag 4 Methane |
| H3C2HO | Acetaldehyde | CO BAG 1 | Bag 1 Carbon Monoxide |
| HC-NM+NOX | SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03 | CO BAG 2 | Bag 2 Carbon Monoxide |
| HC-NM+NOX-COMP | SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides | CO BAG 3 | Bag 3 Carbon Monoxide |
| CO-COMP | SFTP Composite Carbon Monoxide | CO BAG 4 | Bag 4 Carbon Monoxide |
| ETHANOL | C2H5OH - Ethanol | NMOG BAG 1 | Bag 1 Non-methane organic gases |
| FE BAG 1 | Bag 1 Fuel Economy | NMOG BAG 2 | Bag 2 Non-methane organic gases |
| FE BAG 2 | Bag 2 Fuel Economy | NMOG BAG 3 | Bag 3 Non-methane organic gases |
| FE BAG 3 | Bag 3 Fuel Economy | NMOG BAG 4 | Bag 4 Non-methane organic gases |
| FE BAG 4 | Bag 4 Fuel Economy | ACT-DISTANCE BAG 1 | Bag 1 Actual Distance |
| MFR FE | Manufacturer Fuel Economy | ACT-DISTANCE BAG 2 | Bag 2 Actual Distance |
| HC | Hydrocarbon for Running Loss and ORVR | ACT-DISTANCE BAG 3 | Bag 3 Actual Distance |
| METHANE | CH4 - Methane | ACT-DISTANCE BAG 4 | Bag 4 Actual Distance |
| METHANOL | CH3OH - Methanol | HC-TOTAL BAG 1 | Bag 1 Total Hydrocarbon |
| N2O | Nitrous Oxide | HC-TOTAL BAG 2 | Bag 2 Total Hydrocarbon |
| SPITBACK | Spitback Hydrocarbon in grams | HC-TOTAL BAG 3 | Bag 3 Total Hydrocarbon |
| AMP-HRS | Integrated Amp-hours | HC-TOTAL BAG 4 | Bag 4 Total Hydrocarbon |
| START-SOC | System Start State of Charge Watt-hours | WATT-HRS BAG 1 | Bag 1 Watt Hours |
| END-SOC | System End State of Charge Watt-hours | WATT-HRS BAG 2 | Bag 2 Watt Hours |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | Evaporative/Refueling Family | | VCRXR0166PR0 |
|--|--|--------------|------------------------------|---|--------------|
| ACT-DISTANCE | Actual Distance Driven (miles) | | WATT-HRS BAG 3 | Bag 3 Watt Hours | |
| AS-VOLT | Average System Voltage | | WATT-HRS BAG 4 | Bag 4 Watt Hours | |
| CO2 BAG 1 | Bag 1 Carbon Dioxide | | WATT-HRS | Watt Hours | |
| CO2 BAG 2 | Bag 2 Carbon Dioxide | | HC-NM BAG 1 | Bag 1 Non-methane Hydrocarbon | |
| CO2 BAG 3 | Bag 3 Carbon Dioxide | | HC-NM BAG 2 | Bag 2 Non-methane Hydrocarbon | |
| CO2 BAG 4 | Bag 4 Carbon Dioxide | | HC-NM BAG 3 | Bag 3 Non-methane Hydrocarbon | |
| NMOG+NOX | Non-methane organic gases plus Nitrogen Oxides | | HC-NM BAG 4 | Bag 4 Non-methane Hydrocarbon | |
| NMOG+NOX-COMP | SFTP Composite Non-methane Organic Gases + Nitrogen Oxides | | N2O BAG 1 | Bag 1 Nitrous Oxide | |
| DT-IWRR | Drive Trace Inertia Work Ratio Rating | | N2O BAG 2 | Bag 2 Nitrous Oxide | |
| DT-ASCR | Drive Trace Absolute Speed Change Rating | | N2O BAG 3 | Bag 3 Nitrous Oxide | |
| DT-EER | Drive Trace Energy Economy Rating | | N2O BAG 4 | Bag 4 Nitrous Oxide | |
| Certification Region | | | | | |
| CA | California + CAA Section 177 states | | FA | Federal | |
| Exhaust Emission Standard Level | | | | | |
| B1 | Federal Tier 2 Bin 1 | | HDV2B340 | Federal Tier 3 HD Class 2b Transitional Bin 340 | |
| B2 | Federal Tier 2 Bin 2 | | HDV2B250 | Federal Tier 3 HD Class 2b Bin 250 | |
| B3 | Federal Tier 2 Bin 3 | | HDV2B200 | Federal Tier 3 HD Class 2b Bin 200 | |
| B4 | Federal Tier 2 Bin 4 | | HDV2B170 | Federal Tier 3 HD Class 2b Bin 170 | |
| B5 | Federal Tier 2 Bin 5 | | HDV2B150 | Federal Tier 3 HD Class 2b Bin 150 | |
| B6 | Federal Tier 2 Bin 6 | | HDV2B0 | Federal Tier 3 HD Class 2b Bin 0 | |
| B7 | Federal Tier 2 Bin 7 | | HDV3B630 | Federal Tier 3 HD Class 3 Transitional Bin 630 | |
| B8 | Federal Tier 2 Bin 8 | | HDV3B570 | Federal Tier 3 HD Class 3 Transitional Bin 570 | |
| B9 | Federal Tier 2 Bin 9 | | HDV3B400 | Federal Tier 3 HD Class 3 Bin 400 | |
| B10 | Federal Tier 2 Bin 10 | | HDV3B270 | Federal Tier 3 HD Class 3 Bin 270 | |
| B11 | Federal Tier 2 Bin 11 | | HDV3B230 | Federal Tier 3 HD Class 3 Bin 230 | |
| HDV1 | HDV1 (Federal HD chassis Class 2b GVW 8501-10000) | | HDV3B200 | Federal Tier 3 HD Class 3 Bin 200 | |
| HDV2 | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) | | HDV3B0 | Federal Tier 3 HD Class 3 Bin 0 | |
| L2 | California LEV-II LEV | | L4SULEV100 | California LEV-IV SULEV100 | |
| L2OP | California LEV-II LEV Optional | | L4SULEV125 | California LEV-IV SULEV125 | |
| U2 | California LEV-II ULEV | | L4SULEV15 | California LEV-IV SULEV15 | |
| S2 | California LEV-II SULEV | | L4SULEV150 | California LEV-IV SULEV150 | |
| ZEV | California ZEV | | L4SULEV170 | California LEV-IV SULEV170 | |
| OT | Other | | L4SULEV175 | California LEV-IV SULEV175 | |
| T1 | Federal Tier 1 | | L4SULEV20 | California LEV-IV SULEV20 | |
| PZEV | California PZEV | | L4SULEV200 | California LEV-IV SULEV200 | |
| L2LEV160 | California LEV-II LEV160 | | L4SULEV230 | California LEV-IV SULEV230 | |
| L2ULEV125 | California LEV-II ULEV125 | | L4SULEV25 | California LEV-IV SULEV25 | |
| L2SULEV30 | California LEV-II SULEV30 | | L4SULEV30 | California LEV-IV SULEV30 | |
| L2LEV395 | California LEV-II LEV395 | | L4SULEV75 | California LEV-IV SULEV75 | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|-------------------------------|---|------------------------------|--|
| L2ULEV340 | California LEV-II ULEV340 | L4SULEV85 | California LEV-IV SULEV85 |
| L2LEV630 | California LEV-II LEV630 | L4ULEV125 | California LEV-IV ULEV125 |
| L2ULEV570 | California LEV-II ULEV570 | L4ULEV200 | California LEV-IV ULEV200 |
| L3LEV160 | California LEV-III LEV160 | L4ULEV250 | California LEV-IV ULEV250 |
| L3ULEV125 | California LEV-III ULEV125 | L4ULEV270 | California LEV-IV ULEV270 |
| L3ULEV70 | California LEV-III ULEV70 | L4ULEV40 | California LEV-IV ULEV40 |
| L3ULEV50 | California LEV-III ULEV50 | L4ULEV400 | California LEV-IV ULEV400 |
| L3SULEV30 | California LEV-III SULEV30 | L4ULEV50 | California LEV-IV ULEV50 |
| L3SULEV20 | California LEV-III SULEV20 | L4ULEV60 | California LEV-IV ULEV60 |
| L3LEV395 | California LEV-III LEV395 | L4ULEV70 | California LEV-IV ULEV70 |
| L3ULEV340 | California LEV-III ULEV340 | T4B170 | Federal Tier 4 MDV Bin 170 |
| L3ULEV250 | California LEV-III ULEV250 | T4B150 | Federal Tier 4 MDV Bin 150 |
| L3ULEV200 | California LEV-III ULEV200 | T4B125 | Federal Tier 4 MDV Bin 125 |
| L3SULEV170 | California LEV-III SULEV170 | T4B100 | Federal Tier 4 MDV Bin 100 |
| L3SULEV150 | California LEV-III SULEV150 | T4B85 | Federal Tier 4 MDV Bin 85 |
| L3LEV630 | California LEV-III LEV630 | T4B75 | Federal Tier 4 MDV Bin 75 |
| L3ULEV570 | California LEV-III ULEV570 | T4B70 | Federal Tier 4 Bin 70 |
| L3ULEV400 | California LEV-III ULEV400 | T4B65 | Federal Tier 4 Bin 65 |
| L3ULEV270 | California LEV-III ULEV270 | T4B60 | Federal Tier 4 Bin 60 |
| L3SULEV230 | California LEV-III SULEV230 | T4B55 | Federal Tier 4 Bin 55 |
| L3SULEV200 | California LEV-III SULEV200 | T4B50 | Federal Tier 4 Bin 50 |
| T3B160 | Federal Tier 3 Bin 160 | T4B45 | Federal Tier 4 Bin 45 |
| T3B125 | Federal Tier 3 Bin 125 | T4B40 | Federal Tier 4 Bin 40 |
| T3B110 | Federal Tier 3 Transitional Bin 110 | T4B35 | Federal Tier 4 Bin 35 |
| T3B85 | Federal Tier 3 Transitional Bin 85 | T4B30 | Federal Tier 4 Bin 30 |
| T3SULEV30 | Federal Tier 3 Transitional LEV-II SULEV30 Carryover | T4B25 | Federal Tier 4 Bin 25 |
| T3B70 | Federal Tier 3 Bin 70 | T4B20 | Federal Tier 4 Bin 20 |
| T3B50 | Federal Tier 3 Bin 50 | T4B15 | Federal Tier 4 Bin 15 |
| T3B30 | Federal Tier 3 Bin 30 | T4B10 | Federal Tier 4 Bin 10 |
| T3B20 | Federal Tier 3 Bin 20 | T4B5 | Federal Tier 4 Bin 5 |
| T3B0 | Federal Tier 3 Bin 0 | T4B0 | Federal Tier 4 Bin 0 |
| HDV2B395 | Federal Tier 3 HD Class 2b Transitional Bin 395 | | |
| Transmission Type Code | | | |
| AMS | Automated Manual- Selectable (e.g. Automated Manual with paddles) | M | Manual |
| A | Automatic | OT | Other |
| AM | Automated Manual | SA | Semi-Automatic |
| CVT | Continuously Variable | SCV | Selectable Continuously Variable (e.g. CVT with paddles) |
| Drive System Code | | | |
| 4 | 4-Wheel Drive | P | Part-time 4-Wheel Drive |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166PR0 |
|--------------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| F | 2-Wheel Drive, Front | A | All Wheel Drive |
| R | 2-Wheel Drive, Rear | | |
| Additional Terms and Acronyms | | | |
| AFC | Alternative Fuel Converter | ICI | Independent Commercial Importer |
| CSI | Certificate Summary Information | ORVR | Onboard Refueling Vapor Recovery |
| DF | Deterioration Factor | SIL | Shift Indicator Light |
| Evap | Evaporation, Evaporative | Trans | Transmission |

Certification Summary Information Report

| | | | |
|-----------------------------------|--------------|-------------------------------------|------------------------|
| Manufacturer | FCA US LLC | Manufacturer Code | CRX |
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Certificate Number | -- | CARB Executive Order # | -- |
| Certificate Issue Date | -- | Certificate Revision Date | -- |
| Certificate Effective Date | -- | Conditional Certificate | -- |
| CSI Revision # | -- | CSI Submission/Revision Date | 03/18/2026 02:59:59 PM |
| Model Year | 2027 | | |

| | | | |
|----------------------------------|-----------------------|--|-------------------------------------|
| Test Group Information | | | |
| CSI Type | Update for Correction | Running Change Reference Number | -- |
| GHG Exempt Status | Not Exempt | | |
| Drive Sources and Fuel(s) | | | |
| Drive Source #1: | Combustion Engine | | |
| | Fuel | Basic Fuel Metering System | Lean Burn Strategy Indicator |
| | Gasoline | Multipoint/sequential fuel injection | No |

| | | | |
|---|--|--|------------------|
| Hybrid Indicator | No | | |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Multiple Fuel Combustion | -- | Off-board Charge Capable Indicator | -- |
| Fuel Cell Indicator | -- | EPA Vehicle Class | LDT2, LDT4, LDT3 |
| Federal Clean Fuel Vehicle | Yes | Federal Clean Fuel Vehicle Standard | LEV |
| Federal Clean Fuel Vehicle ILEV | No | California Partial Zero Emissions Vehicle Indicator | No |
| Durability Group Name | VCRXGPGNNF12 | Durability Group Equivalency Factor | 1.0 |
| Reduced Fee Test Group | No | Certification Region Code(s) | FA, CA |
| Complies with HD GHG 2b/3 regulations? | No | | |
| Introduction into Commerce Date | -- | CAP2000 Conditional Certificate? | N/A |
| Independent Commercial Importer? | -- | Alternative Fuel Converter Certificate? | -- |
| SFTP Federal Composite Compliance Identifier | Tier 3 | SFTP Tier 2 Composite CO Option | No |
| SFTP LEV-III Composite Compliance Indicator | Yes | | |
| OBD Compliance Type | CARB | OBD Demonstration Vehicle Test Group | VCRXT03.6570 |
| Test Group OBD Compliance Level | Partial - with deficiencies and penalty | Number of Test Group OBD Deficiencies | 4 |
| OBD Deficiencies Comments | 1. SAE International (SAE) J1972-2 Implementation (Models: WD, WL, JL, JT) 2. Adaptive cruise control and parallel park systems default action, if equipped, (Models: RU, WD, WL, JL, JT) 3. Transmission Control Module (TCM) coordinated code clear (Models: RU) 4. Recent Operation Counters Reset. (Models: RU) | | |
| Mfr Test Group Comments | T3BIN30 E10 - City Litmus Value: 16.1; City Litmus Threshold: 15.4; Hwy Litmus Value: 20.9; Hwy Litmus Threshold: 20.1; E10 Fuel Batch Properties - Fuel Net Heat of Combustion and Fuel Carbon Mass fraction values will appear in E0 fields for Fuel Batch properties submissions prior to 6/13/25 Fuel Net Heat of Combustion units will be in BTU/LB | | |
| Mfr Exhaust / Evap Standards Comments | -- | | |

Certification Summary Information Report

| | | | | | | | |
|---|---|---|-------------------------------------|---------------------|---------------------|---------------------|-----------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 | | | | |
| Evaporative/Refueling Family Information | | | | | | | |
| Evaporative Summary Information Type | New | Submission/Correction Date | 01/07/2026 02:34:59 PM | | | | |
| Integrated ORVR? | Yes | Fuel(s) | Gasoline | | | | |
| Multiple Fuel Storage | -- | | | | | | |
| Bladder Fuel Tank? | No | | | | | | |
| Fuel Tank Material | Plastic | Fuel Tank Material Description | hdpe/co-ex | | | | |
| Fill Pipe Seal Type | Liquid seal | | | | | | |
| Air Intake System Vapor Storage Device? | No | Air Intake System Vapor Storage Device Description | -- | | | | |
| Fuel System Vapor Storage Canister? | Yes | Other Vapor Storage | -- | | | | |
| Fuel System Vapor Storage Canister(s) Total Working Capacity (grams) | 166 | Number of Primary Canisters | 1 | | | | |
| Number of Bleed Canisters | 0 | Bleed Canister Total Working Capacity (grams) | 0 | | | | |
| Mfr Evaporative/Refueling Family Comments | This Evaporative Family is being certified with an evaporative FEL of 0.375 grams, generating credits as compared to the nominal standard of 0.500 grams. | | | | | | |
| Leak Family Details | | | | | | | |
| Leak Family Indicator | Yes | | | | | | |
| Canister Bleed Test Indicator | Yes | Applicability of Evaporative Canister Bleed Test | 50 State | | | | |
| Evaporative Canister Bleed Test Comments | -- | | | | | | |
| CARB Fuel Only (Rig) Test Indicator | No | Applicability of CARB Fuel Only (Rig) Test | -- | | | | |
| CARB Fuel Only (Rig) Test Comments | -- | | | | | | |
| Leak Family Name | Applicability of Leak Family Requirements | Leak Family Standard (inches) | Leak Family Description | | | | |
| VCRXR0166RR1-LF1 | 50 State | 0.02 | -- | | | | |
| Models Covered by this Certificate | | | | | | | |
| Carline Manufacturer | Division | Carline | Certification Region Code(s) | Drive System | Trans - Type | - # of Gears | Trans - Lockup |
| FCA US LLC | 5 - Jeep | 550 - Gladiator 4X4 | Federal | 4-Wheel Drive | Automatic | 8 | Yes |
| FCA US LLC | 5 - Jeep | 550 - Gladiator 4X4 | California + CAA Section 177 states | 4-Wheel Drive | Automatic | 8 | Yes |
| Engine Description | | | | | | | |
| Hybrid Type | -- | Hybrid Description | -- | | | | |
| Engine Type | 4-Stroke Spark Ignition | Mfr Engine Description | -- | | | | |
| Engine Block Arrangement | V-shaped engine | Mfr Engine Block Arrangement Description | -- | | | | |
| Camless Valvetrain Indicator | No | Oil Viscosity/Classification | 0W-20 | | | | |
| Number of Cylinders/Rotors | 6 | Mechanically Variable Compression Ratio Indicator | N | | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 | |
|--|---------------------|---|--------------------|------------------------|
| After Treatment Device(s) (ATD) | | | | |
| ATD Number | ATD Type | ATD Precious Metal | Substrate Material | Substrate Construction |
| 1 | Three-way catalyst | Platinum + Palladium + Rhodium | Ceramic | Monolith |
| 2 | Three-way catalyst | Palladium + Rhodium | Ceramic | Monolith |
| Mfr After Treatment Device (ATD) Comments | | | | |
| | | THREE WAY CATALYST | | |
| Direct Ozone Reduction (DOR) Device | | | | |
| | | Not Equipped | | |
| Mfr Emission Control Device Comments | | | | |
| | | -- | | |
| Engine Configuration Number 1 | | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 285 | |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 | |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 | |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A | |
| Air Aspiration Drive Method(s) | -- | | | |
| Cylinder Deactivation | No | | | |
| Cylinder Deactivation Description | -- | | | |
| Variable Valve Timing | Yes | | | |
| Variable Valve Timing System Description | Cam Phaser | | | |
| Variable Valve Lift? | No | | | |
| Variable Valve Lift System Description | -- | | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 | |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- | |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- | |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- | |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- | |
| Mfr Air/Fuel Sensor Comments | -- | | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes | |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- | |
| Closed Loop Air Injection System | No | | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- | |
| Mfr Engine Configuration Comments | -- | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|--|---------------------|--|--------------|
| Engine Configuration Number 2 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 287 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|--|---------------------|--|--------------|
| Engine Configuration Number 3 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 293 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| | | | | | | | | | | |
|---|---------------------|---|--------------|----------------|----------------|------------------------------|----------------------------------|---------------------------------|-------------------------------------|------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 | | | | | | | |
| Engine Configuration Number 4 | | | | | | | | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 295 | | | | | | | |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 | | | | | | | |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 | | | | | | | |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A | | | | | | | |
| Air Aspiration Drive Method(s) | -- | | | | | | | | | |
| Cylinder Deactivation | No | | | | | | | | | |
| Cylinder Deactivation Description | -- | | | | | | | | | |
| Variable Valve Timing | Yes | | | | | | | | | |
| Variable Valve Timing System Description | Cam Phaser | | | | | | | | | |
| Variable Valve Lift? | No | | | | | | | | | |
| Variable Valve Lift System Description | -- | | | | | | | | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 | | | | | | | |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- | | | | | | | |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- | | | | | | | |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- | | | | | | | |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- | | | | | | | |
| Mfr Air/Fuel Sensor Comments | -- | | | | | | | | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes | | | | | | | |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- | | | | | | | |
| Closed Loop Air Injection System | No | | | | | | | | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- | | | | | | | |
| Mfr Engine Configuration Comments | -- | | | | | | | | | |
| Official Test Numbers | | | | | | | | | | |
| Test Group Fuel | FTP | US06 | SC03 | Cold CO | Highway | EPA City Litmus Value | EPA City Litmus Threshold | EPA Highway Litmus Value | EPA Highway Litmus Threshold | CREE Weighting Factor |
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 | SCRX10085925 | SCRX10085921 | 18.6 | 228.2 | 27.2 | 286.1 | 1.0 |
| SFTP LEV-III Official Test Numbers | | | | | | | | | | |
| Test Group Fuel | FTP | US06 | SC03 | | | | | | | |
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 | | | | | | | |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|-------------------|--------------|-------------------------------------|--------------|

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|--------------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | 18.6 |
| Cold CO | 69.63 | -0.3198 | 0.03984 | 27.83 | -0.3769 | 0.03869 | N/A |
| US06 | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | N/A |

Emission Control Device Comments

--

Manufacturer Test Vehicle Comments

callout: 25DA-T03.65P5-2

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Test # | SCRX10085920 | Test Procedure | 25 - California fuel 2-day exhaust (w/can load) |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6273 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 451.11 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 19.18 | 19.18 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 450.59 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 19.25 | 19.25 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 397.26 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 21.87 | 21.87 |
| METHANE (CH4 - Methane) | 0.007794 | -- |
| CO (Carbon Monoxide) | 0.520399 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.382 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.848 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -2.098 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19.9 | 19.9 |
| NOX (Nitrogen Oxide) | 0.007992 | -- |
| N2O (Nitrous Oxide) | 0.001615 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.011103 | -- |
| NMOG (Non-methane organic gases) | 0.012199 | -- |
| PM (Particulate Matter) | 0.000111 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.018344 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 437 | 999 |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | Evaporative/Refueling Family | | | | VCRXR0166RR1 | | | | |
|-----------------------------------|---------------|--|---------------|------------------------------|-----|-----------------------|--------------------------|--------------|---------|---------------------|----------|-----------|
| Test Result Name | | Unrounded Test Result | | | | Verify Calculated CO2 | | | | | | |
| Carbon dioxide | | 436.03844 | | | | -- | | | | | | |
| Manufacturer Test Comments | | 25DA-T03.65P5-2 city 150k Auto ESSon Fixed E10 | | | | | | | | | | |
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |
| CA | 150,000 miles | Other | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| CA | 150,000 miles | Other | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| CA | 150,000 miles | Other | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| CA | 150,000 miles | Other | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.001 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Test # | SCRX10085925 | Test Procedure | 11 - Cold CO |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) |
| Test Date | 04/28/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6413 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 569.02 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 14.95 | 14.95 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 505.1 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 17.12 | 17.12 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 442.21 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 19.57 | 19.57 |
| METHANE (CH4 - Methane) | 0.025875 | -- |
| CO (Carbon Monoxide) | 1.416991 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.6433 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | 0.4567 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 0.9298 | -- |
| MFR FE (Manufacturer Fuel Economy) | 17.2 | 17.2 |
| NOX (Nitrogen Oxide) | 0.025717 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.196472 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 504 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 501.08744 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 city 150k Auto ESSon Fixed CCO

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|-------------------|--------------|-------------------------------------|--------------|

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|-----------------------|---------------|----------------|-----|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Fed | 50,000 miles | Federal Tier 3 Bin 30 | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | HC-NM | 0.20 | -- | -- | -- | 0 | 1 | 0.2 | 0.3 | Pass |
| CA | 50,000 miles | Other | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Test # | SCRX10085921 | Test Procedure | 3 - HWFE |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6284 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.002349 | -- |
| CO (Carbon Monoxide) | 0.319216 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -0.909 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.384 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -1.077 | -- |
| MFR FE (Manufacturer Fuel Economy) | 29.4 | 29.4 |
| NOX (Nitrogen Oxide) | 0.002763 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.000402 | -- |
| NMOG (Non-methane organic gases) | 0.000414 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.002667 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 296 | 999 |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 294.5705 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 hwy 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0166RR1 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Test # | SCRX10085922 | Test Procedure | 90 - US06 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6312 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|---|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 686.97 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 12.45 | 12.45 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 379.3 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 22.36 | 22.36 |
| METHANE (CH4 - Methane) | 0.013449 | -- |
| CO (Carbon Monoxide) | 6.40656 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -3.383 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -1.702 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -6.194 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19 | 19 |
| NOX (Nitrogen Oxide) | 0.010247 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.022427 | -- |
| NMOG (Non-methane organic gases) | 0.023104 | -- |
| PM (Particulate Matter) | 0.000362 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.035397 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|---|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 457 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|-----------------------|-----------------------|-----------------------|
| Carbon dioxide | 447.42749 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 us06 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0166RR1 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.006 | Pass |
| CA | 150,000 miles | Other | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Test # | SCRX10085926 | Test Procedure | 95 - SC03 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/24/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6337 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.011898 | -- |
| CO (Carbon Monoxide) | 0.826855 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.046 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.901 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -0.486 | -- |
| MFR FE (Manufacturer Fuel Economy) | 18.3 | 18.3 |
| NOX (Nitrogen Oxide) | 0.007364 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.008623 | -- |
| NMOG (Non-methane organic gases) | 0.008883 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.019922 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 479 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 477.76898 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 sc03 rerun150k Auto ESSon RSF E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0166RR1 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.83 | -- | -- | -- | 0 | 1 | 0.8 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0163 | -- | -- | -- | -- | -- | 0.016 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|---|---------------|--|------------------------|
| Vehicle ID / Configuration | L8JLJ2008 / 0 | Manufacturer Vehicle Configuration Number | 0 |
| Original Test Group Name | JCRXT03.65P5 | Original Evaporative/Refueling Family | JCRXR0172PP0 |
| Original Test Vehicle Model Year | 2018 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Jeep | Represented Test Vehicle Model | Wrangler Unlimited 4X4 |

Leak Family Details

| | | | |
|-------------------------------|----|-------------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|-------------------------------|----|-------------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|---|---|---|---------------------|
| Hybrid Indicator | No | Multiple Fuel Combustion | -- |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Rechargeable Energy Storage System | -- | | |
| Off-board charge Capable Indicator | -- | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | | |
| Engine Code | AA-600 | Rated Horsepower | 295 |
| Displacement (liters) | 3.6 | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Shift Indicator Light Usage | Not equipped | Aged Emission Components | 4,000 (mi) |
| Curb Weight (lbs) | 4258 | Equivalent Test Weight (pounds) | 4500 |
| GVWR (lbs) | 5300 | N/V Ratio | 29.1 |
| Axle Ratio | 4.1 | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 |
| Transmission Lockup | Yes | Creeper Gear | No |

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|--------------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 43.45 | 0.1331 | 0.03998 | -30.05 | 0.4585 | 0.03169 | 20 |
| US06 | 43.45 | 0.1331 | 0.03998 | -30.05 | 0.4585 | 0.03169 | N/A |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Emission Control Device Comments | -- | | |
| Manufacturer Test Vehicle Comments | JL LWB EVAP, 18EV-T03.65P5-2; updated for 2wd dyno testing at EPA; FCA testing was in 4WD dyno mode. | | |
| Test # | JCRX91003702 | Test Procedure | 27 - California fuel 2-day evap |
| Exhaust Test # for this Evap Test | JCRX91003690 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 24670 | Fuel Calibration Number | 2 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | -- | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 4427.1 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.2219 | -- |

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.022678, Diurnal (gHC) = 0.199222

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.2219 | 0.0057 | 0.228 | 0.375 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.2219 | 0.0057 | 0.228 | 0.375 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|---|---------------|--|------------------------|
| Vehicle ID / Configuration | L8JLJ2008 / 1 | Manufacturer Vehicle Configuration Number | 1 |
| Original Test Group Name | JCRXT03.65P5 | Original Evaporative/Refueling Family | JCRXR0172PP0 |
| Original Test Vehicle Model Year | 2018 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Jeep | Represented Test Vehicle Model | Wrangler Unlimited 4X4 |

Leak Family Details

| | | | |
|-------------------------------|----|-------------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|-------------------------------|----|-------------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|---|---|---|---------------------|
| Hybrid Indicator | No | Multiple Fuel Combustion | -- |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Rechargeable Energy Storage System | -- | | |
| Off-board charge Capable Indicator | -- | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | | |
| Engine Code | AA-600 | Rated Horsepower | 295 |
| Displacement (liters) | 3.6 | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Shift Indicator Light Usage | Not equipped | Aged Emission Components | 4,000 (mi) |
| Curb Weight (lbs) | 4258 | Equivalent Test Weight (pounds) | 4500 |
| GVWR (lbs) | 5300 | N/V Ratio | 29.1 |
| Axle Ratio | 4.1 | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 |
| Transmission Lockup | Yes | Creeper Gear | No |

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|--------------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 86.98 | -0.5921 | 0.04897 | 55.38 | -0.4694 | 0.04423 | 24 |
| US06 | 86.98 | -0.5921 | 0.04897 | 55.38 | -0.4694 | 0.04423 | N/A |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Emission Control Device Comments | -- | | |
| Manufacturer Test Vehicle Comments | JL LWB 2WD Dyno mode, 18EV-T03.65P5-2 | | |
| Test # | JCRX10050401 | Test Procedure | 38 - CA fuel 3-day evap. |
| Exhaust Test # for this Evap Test | JCRX10050397 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 08/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 4023 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.29217 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; JL LWB Cert 3-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.04967, Diurnal_HC (g) = 0.22086; Total =(0.27053 X 1.08) = 0.29217 (g)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.2922 | 0.0090 | 0.301 | 0.375 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.2922 | 0.0090 | 0.301 | 0.375 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|---|---------------------------------------|--|
| Test # | JCRX10050400 | Test Procedure | 37 - California Fuel Running Loss |
| Exhaust Test # for this Evap Test | JCRX10050397 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 08/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Actual Total Hydrocarbon Equivalent Measurement (with speciation) | | |
| Test Start Odometer Reading | 4006 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.00003 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; JL LWB Cert RL Evap (cE10)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.000 | 0.000 | 0.00 | 0.05 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.000 | 0.000 | 0.00 | 0.05 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
| Test # | JCRX10050402 | Test Procedure | 24 - Federal fuel refueling test (ORVR) |
| Exhaust Test # for this Evap Test | JCRX10050398 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/09/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 4135 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|---|-----------------------|---------------------------------------|
| HC (Hydrocarbon for Running Loss and ORVR) | 0.038 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; ORVR (cE10)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|---------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC | 0.038 | 0.000 | 0.04 | 0.20 | Pass |
| CA | 150,000 miles | Other | HC | 0.038 | 0.000 | 0.04 | 0.20 | Pass |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 | | | | | | |
|--|--|---------------------------------------|--------------------------------------|-----------------------|-----------------------|---------------------------------------|--|------------------|----|
| Test # | JCRX10074149 | Test Procedure | 65 - Evap Canister Bleed Test | | | | | | |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular | | | | | | |
| Test Date | 07/06/2017 | Fuel | Gasoline | | | | | | |
| Fuel Batch ID | -- | Fuel Calibration Number | -- | | | | | | |
| Vehicle Class | N/A | DF Type | Mfr. Determined | | | | | | |
| Verify Test Lab ID | IDIADA/STANT Spain | | | | | | | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | | | | | | | |
| Test Start Odometer Reading | 0 | Odometer Units | M | | | | | | |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- | | | | | | |
| State of Charge Delta | -- | | | | | | | | |
| Drive Cycle Speed Tolerance Criteria | -- | Road Speed Fan Usage | -- | | | | | | |
| Test Results | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Test Result Name</th> <th style="width: 30%;">Unrounded Test Result</th> <th style="width: 35%;">Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td style="text-align: center;">0.015</td> <td style="text-align: center;">--</td> </tr> </tbody> </table> | | | | Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value | HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.015 | -- |
| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value | | | | | | | |
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.015 | -- | | | | | | | |
| Manufacturer Test Comments | | | | | | | | | |
| Test run on a rig with aged components (not actual vehicle) | | | | | | | | | |
| Certification | | | | | | | | | |
| Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail | |
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.0150 | 0.0000 | 0.015 | 0.020 | Pass | |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.0150 | 0.0000 | 0.015 | 0.020 | Pass | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|---|--|---|--------------|
| Fuel Properties | | | |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.828 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.7 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17975 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.828 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.833 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.4 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17876 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.833 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) | Fuel Batch Calibration Date | 12/18/2023 |
| Fuel Batch Calibration Effective Date | 12/18/2023 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.829 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | 0 |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.743 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17958 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.829 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 24670 | Fuel Calibration Number | 2 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 12/04/2015 |
| Fuel Batch Calibration Effective Date | 12/04/2015 | Fuel Batch Calibration Ineffective Date | 12/04/2030 |
| Carbon Weight Fraction NMHC | -- | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|--|-------------------------------------|--|--------------|
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.749 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17963 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.826 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 08/07/2017 |
| Fuel Batch Calibration Effective Date | 08/07/2017 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.826 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.746 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17886 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.826 | Weight Fraction CO2 | -- |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|-------------------|--------------|-------------------------------------|--------------|

Consolidated List of Standards

Exhaust Standards

| | | | |
|----------------------|----------------------------------|-------------------------|-----------------------|
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | US06 |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.006 |

| | | | |
|----------------------|-------------------------------------|-------------------------|--|
| Cert Region | California + CAA Section 177 states | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Other |
| Fuel | Gasoline | Test Procedure | California fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.001 |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166RR1 | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166RR1 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |
| 150,000 miles | HC-NM | -- | -- | -- | -- | -- | 1 | 0 | 0.3 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | US06 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|--|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166RR1 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | California fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 | |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |
| | | | | | | | | | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| | | | | | | | | | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0166RR1 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

Evaporative/Refueling Standards

| | | | | | | | | | | |
|-------------------------------------|--|----------------------------|--|--|-----------------------|--|--|-------------------------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0166RR1 | | | Cert Region | | | California + CAA Section 177 states | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Other | | |
| Test Procedure | | California fuel 2-day evap | | | | | | | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0057 |

| | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|--|--|-----------------------|--|--|---------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0166RR1 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Federal Tier 3 Evap | | |
| Test Procedure | | Federal fuel refueling test (ORVR) | | | | | | | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|---------------|----------------|------|--------|
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |

| | | | | | | | | | | |
|-------------------------------------|--|----------------------------|--|--|-----------------------|--|--|---------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0166RR1 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Federal Tier 3 Evap | | |
| Test Procedure | | California fuel 2-day evap | | | | | | | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0057 |

| | | | | | | | | | | |
|-------------------------------------|--|------------------------------|--|--|-----------------------|--|--|---------------------|--|--|
| Evaporative/Refueling Family | | VCRXR0166RR1 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | | Cert | | | Standard Level | | | Federal Tier 3 Evap | | |
| Test Procedure | | California Fuel Running Loss | | | | | | | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |

Certification Summary Information Report

| | | | | | |
|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------|---------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 | | |
| Evaporative/Refueling Family | VCRXR0166RR1 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | CA fuel 3-day evap. | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0090 |
| Evaporative/Refueling Family | VCRXR0166RR1 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |
| Evaporative/Refueling Family | VCRXR0166RR1 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | Evap Canister Bleed Test | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |
| Evaporative/Refueling Family | VCRXR0166RR1 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | CA fuel 3-day evap. | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0090 |
| Evaporative/Refueling Family | VCRXR0166RR1 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Evap Canister Bleed Test | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |
| Evaporative/Refueling Family | VCRXR0166RR1 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|----------------------|---|------------------------------|--|
| Glossary | | | |
| Useful Life | | | |
| 4 | 4,000 miles | 120 | 120,000 miles |
| 50 | 50,000 miles | 150 | 150,000 miles |
| 100 | 100,000 miles | | |
| Emission Name | | | |
| HC-TOTAL | Total Hydrocarbon | COMB-CREE | Combined Carbon-Related Exhaust Emissions |
| CO | Carbon Monoxide | COMB-OPT-CREE | Combined Optional Carbon-Related Exhaust Emissions |
| CO2 | Carbon dioxide | HC-TOTAL-EQUIV | Total Hydrocarbon equivalent - Evap only |
| CREE | Carbon-Related Exhaust Emissions | METHANE-COMB | Combined CH4 for HD 2b/3 vehicles only |
| OPT-CREE | Optional Carbon-Related Exhaust Emissions | N2O-COMB | Combined Nitrous Oxide for HD 2b/3 vehicles only |
| NOX | Nitrogen Oxide | LEAK-DIA | Effective Leak Diameter (inches) |
| PM | Particulate Matter | LEAK-GAS CAP | Gas Cap Leakage (cc/min) |
| PM-COMP | SFTP Composite Particulate Matter | CO2-COMB | Combined Carbon Dioxide for HD 2b/3 Vehicles Only |
| HC-NM | Non-methane Hydrocarbon | KW-HRS | Integrated DC KW-HRS |
| OMHCE | Organic material Hydrocarbon Equivalent | CH4 BAG 1 | Bag 1 Methane |
| OMNMHCE | Organic material non-methane HC equivalent | CH4 BAG 2 | Bag 2 Methane |
| NMOG | Non-methane organic gases | CH4 BAG 3 | Bag 3 Methane |
| HCHO | Formaldehyde | CH4 BAG 4 | Bag 4 Methane |
| H3C2HO | Acetaldehyde | CO BAG 1 | Bag 1 Carbon Monoxide |
| HC-NM+NOX | SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03 | CO BAG 2 | Bag 2 Carbon Monoxide |
| HC-NM+NOX-COMP | SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides | CO BAG 3 | Bag 3 Carbon Monoxide |
| CO-COMP | SFTP Composite Carbon Monoxide | CO BAG 4 | Bag 4 Carbon Monoxide |
| ETHANOL | C2H5OH - Ethanol | NMOG BAG 1 | Bag 1 Non-methane organic gases |
| FE BAG 1 | Bag 1 Fuel Economy | NMOG BAG 2 | Bag 2 Non-methane organic gases |
| FE BAG 2 | Bag 2 Fuel Economy | NMOG BAG 3 | Bag 3 Non-methane organic gases |
| FE BAG 3 | Bag 3 Fuel Economy | NMOG BAG 4 | Bag 4 Non-methane organic gases |
| FE BAG 4 | Bag 4 Fuel Economy | ACT-DISTANCE BAG 1 | Bag 1 Actual Distance |
| MFR FE | Manufacturer Fuel Economy | ACT-DISTANCE BAG 2 | Bag 2 Actual Distance |
| HC | Hydrocarbon for Running Loss and ORVR | ACT-DISTANCE BAG 3 | Bag 3 Actual Distance |
| METHANE | CH4 - Methane | ACT-DISTANCE BAG 4 | Bag 4 Actual Distance |
| METHANOL | CH3OH - Methanol | HC-TOTAL BAG 1 | Bag 1 Total Hydrocarbon |
| N2O | Nitrous Oxide | HC-TOTAL BAG 2 | Bag 2 Total Hydrocarbon |
| SPITBACK | Spitback Hydrocarbon in grams | HC-TOTAL BAG 3 | Bag 3 Total Hydrocarbon |
| AMP-HRS | Integrated Amp-hours | HC-TOTAL BAG 4 | Bag 4 Total Hydrocarbon |
| START-SOC | System Start State of Charge Watt-hours | WATT-HRS BAG 1 | Bag 1 Watt Hours |
| END-SOC | System End State of Charge Watt-hours | WATT-HRS BAG 2 | Bag 2 Watt Hours |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | Evaporative/Refueling Family | | VCRXR0166RR1 |
|--|--|--------------|------------------------------|---|--------------|
| ACT-DISTANCE | Actual Distance Driven (miles) | | WATT-HRS BAG 3 | Bag 3 Watt Hours | |
| AS-VOLT | Average System Voltage | | WATT-HRS BAG 4 | Bag 4 Watt Hours | |
| CO2 BAG 1 | Bag 1 Carbon Dioxide | | WATT-HRS | Watt Hours | |
| CO2 BAG 2 | Bag 2 Carbon Dioxide | | HC-NM BAG 1 | Bag 1 Non-methane Hydrocarbon | |
| CO2 BAG 3 | Bag 3 Carbon Dioxide | | HC-NM BAG 2 | Bag 2 Non-methane Hydrocarbon | |
| CO2 BAG 4 | Bag 4 Carbon Dioxide | | HC-NM BAG 3 | Bag 3 Non-methane Hydrocarbon | |
| NMOG+NOX | Non-methane organic gases plus Nitrogen Oxides | | HC-NM BAG 4 | Bag 4 Non-methane Hydrocarbon | |
| NMOG+NOX-COMP | SFTP Composite Non-methane Organic Gases + Nitrogen Oxides | | N2O BAG 1 | Bag 1 Nitrous Oxide | |
| DT-IWRR | Drive Trace Inertia Work Ratio Rating | | N2O BAG 2 | Bag 2 Nitrous Oxide | |
| DT-ASCR | Drive Trace Absolute Speed Change Rating | | N2O BAG 3 | Bag 3 Nitrous Oxide | |
| DT-EER | Drive Trace Energy Economy Rating | | N2O BAG 4 | Bag 4 Nitrous Oxide | |
| Certification Region | | | | | |
| CA | California + CAA Section 177 states | | FA | Federal | |
| Exhaust Emission Standard Level | | | | | |
| B1 | Federal Tier 2 Bin 1 | | HDV2B340 | Federal Tier 3 HD Class 2b Transitional Bin 340 | |
| B2 | Federal Tier 2 Bin 2 | | HDV2B250 | Federal Tier 3 HD Class 2b Bin 250 | |
| B3 | Federal Tier 2 Bin 3 | | HDV2B200 | Federal Tier 3 HD Class 2b Bin 200 | |
| B4 | Federal Tier 2 Bin 4 | | HDV2B170 | Federal Tier 3 HD Class 2b Bin 170 | |
| B5 | Federal Tier 2 Bin 5 | | HDV2B150 | Federal Tier 3 HD Class 2b Bin 150 | |
| B6 | Federal Tier 2 Bin 6 | | HDV2B0 | Federal Tier 3 HD Class 2b Bin 0 | |
| B7 | Federal Tier 2 Bin 7 | | HDV3B630 | Federal Tier 3 HD Class 3 Transitional Bin 630 | |
| B8 | Federal Tier 2 Bin 8 | | HDV3B570 | Federal Tier 3 HD Class 3 Transitional Bin 570 | |
| B9 | Federal Tier 2 Bin 9 | | HDV3B400 | Federal Tier 3 HD Class 3 Bin 400 | |
| B10 | Federal Tier 2 Bin 10 | | HDV3B270 | Federal Tier 3 HD Class 3 Bin 270 | |
| B11 | Federal Tier 2 Bin 11 | | HDV3B230 | Federal Tier 3 HD Class 3 Bin 230 | |
| HDV1 | HDV1 (Federal HD chassis Class 2b GVW 8501-10000) | | HDV3B200 | Federal Tier 3 HD Class 3 Bin 200 | |
| HDV2 | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) | | HDV3B0 | Federal Tier 3 HD Class 3 Bin 0 | |
| L2 | California LEV-II LEV | | L4SULEV100 | California LEV-IV SULEV100 | |
| L2OP | California LEV-II LEV Optional | | L4SULEV125 | California LEV-IV SULEV125 | |
| U2 | California LEV-II ULEV | | L4SULEV15 | California LEV-IV SULEV15 | |
| S2 | California LEV-II SULEV | | L4SULEV150 | California LEV-IV SULEV150 | |
| ZEV | California ZEV | | L4SULEV170 | California LEV-IV SULEV170 | |
| OT | Other | | L4SULEV175 | California LEV-IV SULEV175 | |
| T1 | Federal Tier 1 | | L4SULEV20 | California LEV-IV SULEV20 | |
| PZEV | California PZEV | | L4SULEV200 | California LEV-IV SULEV200 | |
| L2LEV160 | California LEV-II LEV160 | | L4SULEV230 | California LEV-IV SULEV230 | |
| L2ULEV125 | California LEV-II ULEV125 | | L4SULEV25 | California LEV-IV SULEV25 | |
| L2SULEV30 | California LEV-II SULEV30 | | L4SULEV30 | California LEV-IV SULEV30 | |
| L2LEV395 | California LEV-II LEV395 | | L4SULEV75 | California LEV-IV SULEV75 | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|-------------------------------|---|------------------------------|--|
| L2ULEV340 | California LEV-II ULEV340 | L4SULEV85 | California LEV-IV SULEV85 |
| L2LEV630 | California LEV-II LEV630 | L4ULEV125 | California LEV-IV ULEV125 |
| L2ULEV570 | California LEV-II ULEV570 | L4ULEV200 | California LEV-IV ULEV200 |
| L3LEV160 | California LEV-III LEV160 | L4ULEV250 | California LEV-IV ULEV250 |
| L3ULEV125 | California LEV-III ULEV125 | L4ULEV270 | California LEV-IV ULEV270 |
| L3ULEV70 | California LEV-III ULEV70 | L4ULEV40 | California LEV-IV ULEV40 |
| L3ULEV50 | California LEV-III ULEV50 | L4ULEV400 | California LEV-IV ULEV400 |
| L3SULEV30 | California LEV-III SULEV30 | L4ULEV50 | California LEV-IV ULEV50 |
| L3SULEV20 | California LEV-III SULEV20 | L4ULEV60 | California LEV-IV ULEV60 |
| L3LEV395 | California LEV-III LEV395 | L4ULEV70 | California LEV-IV ULEV70 |
| L3ULEV340 | California LEV-III ULEV340 | T4B170 | Federal Tier 4 MDV Bin 170 |
| L3ULEV250 | California LEV-III ULEV250 | T4B150 | Federal Tier 4 MDV Bin 150 |
| L3ULEV200 | California LEV-III ULEV200 | T4B125 | Federal Tier 4 MDV Bin 125 |
| L3SULEV170 | California LEV-III SULEV170 | T4B100 | Federal Tier 4 MDV Bin 100 |
| L3SULEV150 | California LEV-III SULEV150 | T4B85 | Federal Tier 4 MDV Bin 85 |
| L3LEV630 | California LEV-III LEV630 | T4B75 | Federal Tier 4 MDV Bin 75 |
| L3ULEV570 | California LEV-III ULEV570 | T4B70 | Federal Tier 4 Bin 70 |
| L3ULEV400 | California LEV-III ULEV400 | T4B65 | Federal Tier 4 Bin 65 |
| L3ULEV270 | California LEV-III ULEV270 | T4B60 | Federal Tier 4 Bin 60 |
| L3SULEV230 | California LEV-III SULEV230 | T4B55 | Federal Tier 4 Bin 55 |
| L3SULEV200 | California LEV-III SULEV200 | T4B50 | Federal Tier 4 Bin 50 |
| T3B160 | Federal Tier 3 Bin 160 | T4B45 | Federal Tier 4 Bin 45 |
| T3B125 | Federal Tier 3 Bin 125 | T4B40 | Federal Tier 4 Bin 40 |
| T3B110 | Federal Tier 3 Transitional Bin 110 | T4B35 | Federal Tier 4 Bin 35 |
| T3B85 | Federal Tier 3 Transitional Bin 85 | T4B30 | Federal Tier 4 Bin 30 |
| T3SULEV30 | Federal Tier 3 Transitional LEV-II SULEV30 Carryover | T4B25 | Federal Tier 4 Bin 25 |
| T3B70 | Federal Tier 3 Bin 70 | T4B20 | Federal Tier 4 Bin 20 |
| T3B50 | Federal Tier 3 Bin 50 | T4B15 | Federal Tier 4 Bin 15 |
| T3B30 | Federal Tier 3 Bin 30 | T4B10 | Federal Tier 4 Bin 10 |
| T3B20 | Federal Tier 3 Bin 20 | T4B5 | Federal Tier 4 Bin 5 |
| T3B0 | Federal Tier 3 Bin 0 | T4B0 | Federal Tier 4 Bin 0 |
| HDV2B395 | Federal Tier 3 HD Class 2b Transitional Bin 395 | | |
| Transmission Type Code | | | |
| AMS | Automated Manual- Selectable (e.g. Automated Manual with paddles) | M | Manual |
| A | Automatic | OT | Other |
| AM | Automated Manual | SA | Semi-Automatic |
| CVT | Continuously Variable | SCV | Selectable Continuously Variable (e.g. CVT with paddles) |
| Drive System Code | | | |
| 4 | 4-Wheel Drive | P | Part-time 4-Wheel Drive |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0166RR1 |
|--------------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| F | 2-Wheel Drive, Front | A | All Wheel Drive |
| R | 2-Wheel Drive, Rear | | |
| Additional Terms and Acronyms | | | |
| AFC | Alternative Fuel Converter | ICI | Independent Commercial Importer |
| CSI | Certificate Summary Information | ORVR | Onboard Refueling Vapor Recovery |
| DF | Deterioration Factor | SIL | Shift Indicator Light |
| Evap | Evaporation, Evaporative | Trans | Transmission |

Certification Summary Information Report

| | | | |
|-----------------------------------|--------------|-------------------------------------|------------------------|
| Manufacturer | FCA US LLC | Manufacturer Code | CRX |
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Certificate Number | -- | CARB Executive Order # | -- |
| Certificate Issue Date | -- | Certificate Revision Date | -- |
| Certificate Effective Date | -- | Conditional Certificate | -- |
| CSI Revision # | -- | CSI Submission/Revision Date | 03/18/2026 02:59:59 PM |
| Model Year | 2027 | | |

| | | | |
|----------------------------------|-----------------------|--|-------------------------------------|
| Test Group Information | | | |
| CSI Type | Update for Correction | Running Change Reference Number | -- |
| GHG Exempt Status | Not Exempt | | |
| Drive Sources and Fuel(s) | | | |
| Drive Source #1: | Combustion Engine | | |
| | Fuel | Basic Fuel Metering System | Lean Burn Strategy Indicator |
| | Gasoline | Multipoint/sequential fuel injection | No |

| | | | |
|---|--|--|------------------|
| Hybrid Indicator | No | | |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Multiple Fuel Combustion | -- | Off-board Charge Capable Indicator | -- |
| Fuel Cell Indicator | -- | EPA Vehicle Class | LDT2, LDT4, LDT3 |
| Federal Clean Fuel Vehicle | Yes | Federal Clean Fuel Vehicle Standard | LEV |
| Federal Clean Fuel Vehicle ILEV | No | California Partial Zero Emissions Vehicle Indicator | No |
| Durability Group Name | VCRXGPGNNF12 | Durability Group Equivalency Factor | 1.0 |
| Reduced Fee Test Group | No | Certification Region Code(s) | FA, CA |
| Complies with HD GHG 2b/3 regulations? | No | | |
| Introduction into Commerce Date | -- | CAP2000 Conditional Certificate? | N/A |
| Independent Commercial Importer? | -- | Alternative Fuel Converter Certificate? | -- |
| SFTP Federal Composite Compliance Identifier | Tier 3 | SFTP Tier 2 Composite CO Option | No |
| SFTP LEV-III Composite Compliance Indicator | Yes | | |
| OBD Compliance Type | CARB | OBD Demonstration Vehicle Test Group | VCRXT03.6570 |
| Test Group OBD Compliance Level | Partial - with deficiencies and penalty | Number of Test Group OBD Deficiencies | 4 |
| OBD Deficiencies Comments | 1. SAE International (SAE) J1972-2 Implementation (Models: WD, WL, JL, JT) 2. Adaptive cruise control and parallel park systems default action, if equipped, (Models: RU, WD, WL, JL, JT) 3. Transmission Control Module (TCM) coordinated code clear (Models: RU) 4. Recent Operation Counters Reset. (Models: RU) | | |
| Mfr Test Group Comments | T3BIN30 E10 - City Litmus Value: 16.1; City Litmus Threshold: 15.4; Hwy Litmus Value: 20.9; Hwy Litmus Threshold: 20.1; E10 Fuel Batch Properties - Fuel Net Heat of Combustion and Fuel Carbon Mass fraction values will appear in E0 fields for Fuel Batch properties submissions prior to 6/13/25 Fuel Net Heat of Combustion units will be in BTU/LB | | |
| Mfr Exhaust / Evap Standards Comments | -- | | |

Certification Summary Information Report

| | | | | | | | |
|---|---|---|-------------------------------------|---------------------|---------------------|---------------------|-----------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 | | | | |
| Evaporative/Refueling Family Information | | | | | | | |
| Evaporative Summary Information Type | New | Submission/Correction Date | 01/07/2026 02:31:19 PM | | | | |
| Integrated ORVR? | Yes | Fuel(s) | Gasoline | | | | |
| Multiple Fuel Storage | -- | | | | | | |
| Bladder Fuel Tank? | No | | | | | | |
| Fuel Tank Material | Plastic | Fuel Tank Material Description | hdpe/co-ex | | | | |
| Fill Pipe Seal Type | Liquid seal | | | | | | |
| Air Intake System Vapor Storage Device? | No | Air Intake System Vapor Storage Device Description | -- | | | | |
| Fuel System Vapor Storage Canister? | Yes | Other Vapor Storage | -- | | | | |
| Fuel System Vapor Storage Canister(s) Total Working Capacity (grams) | 136 | Number of Primary Canisters | 1 | | | | |
| Number of Bleed Canisters | 0 | Bleed Canister Total Working Capacity (grams) | 0 | | | | |
| Mfr Evaporative/Refueling Family Comments | This Evaporative Family is being certified with an evaporative FEL of 0.375 grams, generating credits as compared to the nominal standard of 0.400 grams. | | | | | | |
| Leak Family Details | | | | | | | |
| Leak Family Indicator | Yes | | | | | | |
| Canister Bleed Test Indicator | Yes | Applicability of Evaporative Canister Bleed Test | 50 State | | | | |
| Evaporative Canister Bleed Test Comments | -- | | | | | | |
| CARB Fuel Only (Rig) Test Indicator | No | Applicability of CARB Fuel Only (Rig) Test | -- | | | | |
| CARB Fuel Only (Rig) Test Comments | -- | | | | | | |
| Leak Family Name | Applicability of Leak Family Requirements | Leak Family Standard (inches) | Leak Family Description | | | | |
| VCRXR0136PR0-LF1 | 50 State | 0.02 | -- | | | | |
| Models Covered by this Certificate | | | | | | | |
| Carline Manufacturer | Division | Carline | Certification Region Code(s) | Drive System | Trans - Type | - # of Gears | Trans - Lockup |
| FCA US LLC | 5 - Jeep | 547 - Wrangler 2dr 4X4 | Federal | 4-Wheel Drive | Manual | 6 | No |
| FCA US LLC | 5 - Jeep | 547 - Wrangler 2dr 4X4 | California + CAA Section 177 states | 4-Wheel Drive | Manual | 6 | No |
| Engine Description | | | | | | | |
| Hybrid Type | -- | Hybrid Description | -- | | | | |
| Engine Type | 4-Stroke Spark Ignition | Mfr Engine Description | -- | | | | |
| Engine Block Arrangement | V-shaped engine | Mfr Engine Block Arrangement Description | -- | | | | |
| Camless Valvetrain Indicator | No | Oil Viscosity/Classification | 0W-20 | | | | |
| Number of Cylinders/Rotors | 6 | Mechanically Variable Compression Ratio Indicator | N | | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 | |
|--|---------------------|---|--------------------|------------------------|
| After Treatment Device(s) (ATD) | | | | |
| ATD Number | ATD Type | ATD Precious Metal | Substrate Material | Substrate Construction |
| 1 | Three-way catalyst | Platinum + Palladium + Rhodium | Ceramic | Monolith |
| 2 | Three-way catalyst | Palladium + Rhodium | Ceramic | Monolith |
| Mfr After Treatment Device (ATD) Comments | | | | |
| | | THREE WAY CATALYST | | |
| Direct Ozone Reduction (DOR) Device | | | | |
| | | Not Equipped | | |
| Mfr Emission Control Device Comments | | | | |
| | | -- | | |
| Engine Configuration Number 1 | | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 285 | |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 | |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 | |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A | |
| Air Aspiration Drive Method(s) | -- | | | |
| Cylinder Deactivation | No | | | |
| Cylinder Deactivation Description | -- | | | |
| Variable Valve Timing | Yes | | | |
| Variable Valve Timing System Description | Cam Phaser | | | |
| Variable Valve Lift? | No | | | |
| Variable Valve Lift System Description | -- | | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 | |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- | |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- | |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- | |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- | |
| Mfr Air/Fuel Sensor Comments | -- | | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes | |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- | |
| Closed Loop Air Injection System | No | | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- | |
| Mfr Engine Configuration Comments | -- | | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 2 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 287 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 3 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 293 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| | | | |
|---|---------------------|---|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Engine Configuration Number 4 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 295 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Official Test Numbers

| Test Group | Fuel | FTP | US06 | SC03 | Cold CO | Highway | EPA City Litmus Value | EPA City Litmus Threshold | EPA Highway Litmus Value | EPA Highway Litmus Threshold | CREE Weighting Factor |
|------------|--------------|--------------|--------------|--------------|--------------|---------|-----------------------|---------------------------|--------------------------|------------------------------|-----------------------|
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 | SCRX10085925 | SCRX10085921 | 18.6 | 228.2 | 27.2 | 286.1 | 1.0 | |

SFTP LEV-III Official Test Numbers

| Test Group Fuel | FTP | US06 | SC03 |
|-----------------|--------------|--------------|--------------|
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|---|---------------|--|---------------------|
| Vehicle ID / Configuration | L4WDE4727 / 1 | Manufacturer Vehicle Configuration Number | 1 |
| Original Test Group Name | SCRXT03.65P5 | Original Evaporative/Refueling Family | SCRXR0204RP0 |
| Original Test Vehicle Model Year | 2025 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Dodge | Represented Test Vehicle Model | Durango Pursuit AWD |

Leak Family Details

| | | | |
|-------------------------------|----|-------------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|-------------------------------|----|-------------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|---|---|---|---------------------|
| Hybrid Indicator | No | | |
| Multiple Fuel Storage | -- | Multiple Fuel Combustion | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System Indicator | -- |
| Rechargeable Energy Storage System | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Off-board charge Capable Indicator | -- | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | | |
| Engine Code | AA-0050 | Rated Horsepower | 295 |
| Displacement (liters) | 3.6 | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Shift Indicator Light Usage | Equipped, not shifted by SIL | Aged Emission Components | 150,000 (mi) |
| Curb Weight (lbs) | 5018 | Equivalent Test Weight (pounds) | 5250 |
| GVWR (lbs) | 6500 | N/V Ratio | 27 |
| Axle Ratio | 3.45 | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 |
| Transmission Lockup | Yes | Creeper Gear | No |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0136PR0 |
|------------------------------------|--------------------------|---------------------|----------------|---------|------------------------------|----------------|------|--|
| Dynamometer Coefficients: | | | | | | | | |
| | | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
| Coefficient Category | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | | |
| City/Highway/Evap | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | 18.6 | |
| Cold CO | 69.63 | -0.3198 | 0.03984 | 27.83 | -0.3769 | 0.03869 | N/A | |
| US06 | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | N/A | |
| Emission Control Device Comments | -- | | | | | | | |
| Manufacturer Test Vehicle Comments | callout: 25DA-T03.65P5-2 | | | | | | | |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Test # | SCRX10085920 | Test Procedure | 25 - California fuel 2-day exhaust (w/can load) |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6273 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 451.11 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 19.18 | 19.18 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 450.59 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 19.25 | 19.25 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 397.26 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 21.87 | 21.87 |
| METHANE (CH4 - Methane) | 0.007794 | -- |
| CO (Carbon Monoxide) | 0.520399 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.382 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.848 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -2.098 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19.9 | 19.9 |
| NOX (Nitrogen Oxide) | 0.007992 | -- |
| N2O (Nitrous Oxide) | 0.001615 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.011103 | -- |
| NMOG (Non-methane organic gases) | 0.012199 | -- |
| PM (Particulate Matter) | 0.000111 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.018344 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 437 | 999 |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | Evaporative/Refueling Family | | | | VCRXR0136PR0 | | | | |
|-----------------------------------|---------------|--|---------------|------------------------------|-----|-----------------------|--------------------------|--------------|---------|---------------------|----------|-----------|
| Test Result Name | | Unrounded Test Result | | | | Verify Calculated CO2 | | | | | | |
| Carbon dioxide | | 436.03844 | | | | -- | | | | | | |
| Manufacturer Test Comments | | 25DA-T03.65P5-2 city 150k Auto ESSon Fixed E10 | | | | | | | | | | |
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |
| CA | 150,000 miles | Other | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| CA | 150,000 miles | Other | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| CA | 150,000 miles | Other | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| CA | 150,000 miles | Other | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.001 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Test # | SCRX10085925 | Test Procedure | 11 - Cold CO |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) |
| Test Date | 04/28/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6413 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 569.02 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 14.95 | 14.95 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 505.1 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 17.12 | 17.12 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 442.21 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 19.57 | 19.57 |
| METHANE (CH4 - Methane) | 0.025875 | -- |
| CO (Carbon Monoxide) | 1.416991 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.6433 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | 0.4567 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 0.9298 | -- |
| MFR FE (Manufacturer Fuel Economy) | 17.2 | 17.2 |
| NOX (Nitrogen Oxide) | 0.025717 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.196472 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 504 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 501.08744 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 city 150k Auto ESSon Fixed CCO

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|-------------------|--------------|-------------------------------------|--------------|

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|-----------------------|---------------|----------------|-----|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Fed | 50,000 miles | Federal Tier 3 Bin 30 | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | HC-NM | 0.20 | -- | -- | -- | 0 | 1 | 0.2 | 0.3 | Pass |
| CA | 50,000 miles | Other | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Test # | SCRX10085921 | Test Procedure | 3 - HWFE |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6284 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.002349 | -- |
| CO (Carbon Monoxide) | 0.319216 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -0.909 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.384 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -1.077 | -- |
| MFR FE (Manufacturer Fuel Economy) | 29.4 | 29.4 |
| NOX (Nitrogen Oxide) | 0.002763 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.000402 | -- |
| NMOG (Non-methane organic gases) | 0.000414 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.002667 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 296 | 999 |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 294.5705 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 hwy 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0136PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Test # | SCRX10085922 | Test Procedure | 90 - US06 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6312 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 686.97 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 12.45 | 12.45 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 379.3 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 22.36 | 22.36 |
| METHANE (CH4 - Methane) | 0.013449 | -- |
| CO (Carbon Monoxide) | 6.40656 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -3.383 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -1.702 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -6.194 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19 | 19 |
| NOX (Nitrogen Oxide) | 0.010247 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.022427 | -- |
| NMOG (Non-methane organic gases) | 0.023104 | -- |
| PM (Particulate Matter) | 0.000362 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.035397 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 457 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 447.42749 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 us06 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0136PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.006 | Pass |
| CA | 150,000 miles | Other | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Test # | SCRX10085926 | Test Procedure | 95 - SC03 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/24/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6337 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|---|-----------------------|--|
| METHANE (CH4 - Methane) | 0.011898 | -- |
| CO (Carbon Monoxide) | 0.826855 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.046 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.901 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -0.486 | -- |
| MFR FE (Manufacturer Fuel Economy) | 18.3 | 18.3 |
| NOX (Nitrogen Oxide) | 0.007364 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.008623 | -- |
| NMOG (Non-methane organic gases) | 0.008883 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.019922 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|---|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 479 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|-----------------------|-----------------------|-----------------------|
| Carbon dioxide | 477.76898 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 sc03 rerun150k Auto ESSon RSF E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0136PR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.83 | -- | -- | -- | 0 | 1 | 0.8 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0163 | -- | -- | -- | -- | -- | 0.016 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|---|---------------|--|------------------------|
| Vehicle ID / Configuration | L8JLJ2008 / 0 | Manufacturer Vehicle Configuration Number | 0 |
| Original Test Group Name | JCRXT03.65P5 | Original Evaporative/Refueling Family | JCRXR0172PP0 |
| Original Test Vehicle Model Year | 2018 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Jeep | Represented Test Vehicle Model | Wrangler Unlimited 4X4 |

Leak Family Details

| | | | |
|-------------------------------|----|-------------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|-------------------------------|----|-------------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|---|---|---|---------------------|
| Hybrid Indicator | No | Multiple Fuel Combustion | -- |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Rechargeable Energy Storage System | -- | | |
| Off-board charge Capable Indicator | -- | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | | |
| Engine Code | AA-600 | Rated Horsepower | 295 |
| Displacement (liters) | 3.6 | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Shift Indicator Light Usage | Not equipped | Aged Emission Components | 4,000 (mi) |
| Curb Weight (lbs) | 4258 | Equivalent Test Weight (pounds) | 4500 |
| GVWR (lbs) | 5300 | N/V Ratio | 29.1 |
| Axle Ratio | 4.1 | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 |
| Transmission Lockup | Yes | Creeper Gear | No |

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|--------------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 43.45 | 0.1331 | 0.03998 | -30.05 | 0.4585 | 0.03169 | 20 |
| US06 | 43.45 | 0.1331 | 0.03998 | -30.05 | 0.4585 | 0.03169 | N/A |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Emission Control Device Comments | -- | | |
| Manufacturer Test Vehicle Comments | JL LWB EVAP, 18EV-T03.65P5-2; updated for 2wd dyno testing at EPA; FCA testing was in 4WD dyno mode. | | |
| Test # | JCRX91003702 | Test Procedure | 27 - California fuel 2-day evap |
| Exhaust Test # for this Evap Test | JCRX91003690 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 24670 | Fuel Calibration Number | 2 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | -- | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 4427.1 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.2219 | -- |

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.022678, Diurnal (gHC) = 0.199222

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.2219 | 0.0057 | 0.228 | 0.375 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.2219 | 0.0057 | 0.228 | 0.375 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Emission Data Vehicle Information

| | | | |
|---|---------------|--|------------------------|
| Vehicle ID / Configuration | L8JLJ2008 / 1 | Manufacturer Vehicle Configuration Number | 1 |
| Original Test Group Name | JCRXT03.65P5 | Original Evaporative/Refueling Family | JCRXR0172PP0 |
| Original Test Vehicle Model Year | 2018 | | |
| Vehicle Model | | | |
| Represented Test Vehicle Make | Jeep | Represented Test Vehicle Model | Wrangler Unlimited 4X4 |

Leak Family Details

| | | | |
|-------------------------------|----|-------------------------|----|
| Leak Family Identifier | -- | Leak Family Name | -- |
|-------------------------------|----|-------------------------|----|

Drive Sources and Fuel System Details

| Drive Source and Fuel# | Drive Source | Fuel |
|------------------------|-------------------|----------|
| 1 | Combustion Engine | Gasoline |

| | | | |
|---|---|---|---------------------|
| Hybrid Indicator | No | Multiple Fuel Combustion | -- |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System, if 'Other' | -- |
| Rechargeable Energy Storage System | -- | | |
| Off-board charge Capable Indicator | -- | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | |
| Odometer Correction Units | Miles | | |
| Engine Code | AA-600 | Rated Horsepower | 295 |
| Displacement (liters) | 3.6 | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear |
| Shift Indicator Light Usage | Not equipped | Aged Emission Components | 4,000 (mi) |
| Curb Weight (lbs) | 4258 | Equivalent Test Weight (pounds) | 4500 |
| GVWR (lbs) | 5300 | N/V Ratio | 29.1 |
| Axle Ratio | 4.1 | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 |
| Transmission Lockup | Yes | Creeper Gear | No |

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|----------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 86.98 | -0.5921 | 0.04897 | 55.38 | -0.4694 | 0.04423 | 24 |
| US06 | 86.98 | -0.5921 | 0.04897 | 55.38 | -0.4694 | 0.04423 | N/A |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Emission Control Device Comments | -- | | |
| Manufacturer Test Vehicle Comments | JL LWB 2WD Dyno mode, 18EV-T03.65P5-2 | | |
| Test # | JCRX10050401 | Test Procedure | 38 - CA fuel 3-day evap. |
| Exhaust Test # for this Evap Test | JCRX10050397 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 08/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 4023 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.29217 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; JL LWB Cert 3-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.04967, Diurnal_HC (g) = 0.22086; Total =(0.27053 X 1.08) = 0.29217 (g)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.2922 | 0.0090 | 0.301 | 0.375 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.2922 | 0.0090 | 0.301 | 0.375 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|---|---------------------------------------|--|
| Test # | JCRX10050400 | Test Procedure | 37 - California Fuel Running Loss |
| Exhaust Test # for this Evap Test | JCRX10050397 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 08/27/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Actual Total Hydrocarbon Equivalent Measurement (with speciation) | | |
| Test Start Odometer Reading | 4006 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.00003 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; JL LWB Cert RL Evap (cE10)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.000 | 0.000 | 0.00 | 0.05 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.000 | 0.000 | 0.00 | 0.05 | Pass |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|-------------------|--------------|-------------------------------------|--------------|

| | | | |
|--|---|---------------------------------------|--|
| Test # | JCRX10050402 | Test Procedure | 24 - Federal fuel refueling test (ORVR) |
| Exhaust Test # for this Evap Test | JCRX10050398 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/09/2017 | Fuel | Gasoline |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 4135 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC (Hydrocarbon for Running Loss and ORVR) | 0.038 | -- |

Manufacturer Test Comments Callout: 18EV-T03.65P5-2; ORVR (cE10)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|---------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC | 0.038 | 0.000 | 0.04 | 0.20 | Pass |
| CA | 150,000 miles | Other | HC | 0.038 | 0.000 | 0.04 | 0.20 | Pass |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|--------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Test # | JCRX10074149 | Test Procedure | 65 - Evap Canister Bleed Test |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular |
| Test Date | 07/06/2017 | Fuel | Gasoline |
| Fuel Batch ID | -- | Fuel Calibration Number | -- |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | IDIADA/STANT Spain | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 0 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | -- | Road Speed Fan Usage | -- |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.015 | -- |

Manufacturer Test Comments Test run on a rig with aged components (not actual vehicle)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.0150 | 0.0000 | 0.015 | 0.020 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.0150 | 0.0000 | 0.015 | 0.020 | Pass |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|---|--|---|--------------|
| Fuel Properties | | | |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.828 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.7 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17975 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.828 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.833 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.4 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17876 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.833 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) | Fuel Batch Calibration Date | 12/18/2023 |
| Fuel Batch Calibration Effective Date | 12/18/2023 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.829 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | 0 |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.743 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17958 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.829 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 24670 | Fuel Calibration Number | 2 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 12/04/2015 |
| Fuel Batch Calibration Effective Date | 12/04/2015 | Fuel Batch Calibration Ineffective Date | 12/04/2030 |
| Carbon Weight Fraction NMHC | -- | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|--|-------------------------------------|--|--------------|
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.749 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17963 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.826 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 10499 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 08/07/2017 |
| Fuel Batch Calibration Effective Date | 08/07/2017 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.826 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.746 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17886 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.826 | Weight Fraction CO2 | -- |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|-------------------|--------------|-------------------------------------|--------------|

Consolidated List of Standards

Exhaust Standards

| | | | |
|----------------------|----------------------------------|-------------------------|-----------------------|
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | US06 |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.006 |

| | | | |
|----------------------|-------------------------------------|-------------------------|--|
| Cert Region | California + CAA Section 177 states | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Other |
| Fuel | Gasoline | Test Procedure | California fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.001 |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0136PR0 | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0136PR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |
| 150,000 miles | HC-NM | -- | -- | -- | -- | -- | 1 | 0 | 0.3 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | US06 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|--|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0136PR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | California fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 | |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |
| | | | | | | | | | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| | | | | | | | | | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |

Certification Summary Information Report

| | | | |
|----------------------|----------------------------------|-------------------------------------|---|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | Federal fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|-------|
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |

Evaporative/Refueling Standards

| | | | |
|-------------------------------------|------------------------------|-----------------------|---------------------|
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | Federal |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap |
| Test Procedure | California Fuel Running Loss | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |

| | | | |
|-------------------------------------|---------------------|-----------------------|-------------------------------------|
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | California + CAA Section 177 states |
| Cert/In-Use Code | Cert | Standard Level | Other |
| Test Procedure | CA fuel 3-day evap. | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0090 |

| | | | |
|-------------------------------------|--------------------------|-----------------------|---------------------|
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | Federal |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap |
| Test Procedure | Evap Canister Bleed Test | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |

| | | | |
|-------------------------------------|----------------------------|-----------------------|---------------------|
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | Federal |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap |
| Test Procedure | California fuel 2-day evap | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0057 |

Certification Summary Information Report

| | | | | | |
|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------|---------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 | | |
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |
| | | | | | |
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |
| | | | | | |
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | California fuel 2-day evap | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0057 |
| | | | | | |
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | California + CAA Section 177 states | | |
| Cert/In-Use Code | Cert | Standard Level | Other | | |
| Test Procedure | Evap Canister Bleed Test | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |
| | | | | | |
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | CA fuel 3-day evap. | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.375 | 0.0090 |
| | | | | | |
| Evaporative/Refueling Family | VCRXR0136PR0 | Cert Region | Federal | | |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|----------------------|---|------------------------------|--|
| Glossary | | | |
| Useful Life | | | |
| 4 | 4,000 miles | 120 | 120,000 miles |
| 50 | 50,000 miles | 150 | 150,000 miles |
| 100 | 100,000 miles | | |
| Emission Name | | | |
| HC-TOTAL | Total Hydrocarbon | COMB-CREE | Combined Carbon-Related Exhaust Emissions |
| CO | Carbon Monoxide | COMB-OPT-CREE | Combined Optional Carbon-Related Exhaust Emissions |
| CO2 | Carbon dioxide | HC-TOTAL-EQUIV | Total Hydrocarbon equivalent - Evap only |
| CREE | Carbon-Related Exhaust Emissions | METHANE-COMB | Combined CH4 for HD 2b/3 vehicles only |
| OPT-CREE | Optional Carbon-Related Exhaust Emissions | N2O-COMB | Combined Nitrous Oxide for HD 2b/3 vehicles only |
| NOX | Nitrogen Oxide | LEAK-DIA | Effective Leak Diameter (inches) |
| PM | Particulate Matter | LEAK-GAS CAP | Gas Cap Leakage (cc/min) |
| PM-COMP | SFTP Composite Particulate Matter | CO2-COMB | Combined Carbon Dioxide for HD 2b/3 Vehicles Only |
| HC-NM | Non-methane Hydrocarbon | KW-HRS | Integrated DC KW-HRS |
| OMHCE | Organic material Hydrocarbon Equivalent | CH4 BAG 1 | Bag 1 Methane |
| OMNMHCE | Organic material non-methane HC equivalent | CH4 BAG 2 | Bag 2 Methane |
| NMOG | Non-methane organic gases | CH4 BAG 3 | Bag 3 Methane |
| HCHO | Formaldehyde | CH4 BAG 4 | Bag 4 Methane |
| H3C2HO | Acetaldehyde | CO BAG 1 | Bag 1 Carbon Monoxide |
| HC-NM+NOX | SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03 | CO BAG 2 | Bag 2 Carbon Monoxide |
| HC-NM+NOX-COMP | SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides | CO BAG 3 | Bag 3 Carbon Monoxide |
| CO-COMP | SFTP Composite Carbon Monoxide | CO BAG 4 | Bag 4 Carbon Monoxide |
| ETHANOL | C2H5OH - Ethanol | NMOG BAG 1 | Bag 1 Non-methane organic gases |
| FE BAG 1 | Bag 1 Fuel Economy | NMOG BAG 2 | Bag 2 Non-methane organic gases |
| FE BAG 2 | Bag 2 Fuel Economy | NMOG BAG 3 | Bag 3 Non-methane organic gases |
| FE BAG 3 | Bag 3 Fuel Economy | NMOG BAG 4 | Bag 4 Non-methane organic gases |
| FE BAG 4 | Bag 4 Fuel Economy | ACT-DISTANCE BAG 1 | Bag 1 Actual Distance |
| MFR FE | Manufacturer Fuel Economy | ACT-DISTANCE BAG 2 | Bag 2 Actual Distance |
| HC | Hydrocarbon for Running Loss and ORVR | ACT-DISTANCE BAG 3 | Bag 3 Actual Distance |
| METHANE | CH4 - Methane | ACT-DISTANCE BAG 4 | Bag 4 Actual Distance |
| METHANOL | CH3OH - Methanol | HC-TOTAL BAG 1 | Bag 1 Total Hydrocarbon |
| N2O | Nitrous Oxide | HC-TOTAL BAG 2 | Bag 2 Total Hydrocarbon |
| SPITBACK | Spitback Hydrocarbon in grams | HC-TOTAL BAG 3 | Bag 3 Total Hydrocarbon |
| AMP-HRS | Integrated Amp-hours | HC-TOTAL BAG 4 | Bag 4 Total Hydrocarbon |
| START-SOC | System Start State of Charge Watt-hours | WATT-HRS BAG 1 | Bag 1 Watt Hours |
| END-SOC | System End State of Charge Watt-hours | WATT-HRS BAG 2 | Bag 2 Watt Hours |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | Evaporative/Refueling Family | | VCRXR0136PR0 |
|--|--|--------------|------------------------------|---|--------------|
| ACT-DISTANCE | Actual Distance Driven (miles) | | WATT-HRS BAG 3 | Bag 3 Watt Hours | |
| AS-VOLT | Average System Voltage | | WATT-HRS BAG 4 | Bag 4 Watt Hours | |
| CO2 BAG 1 | Bag 1 Carbon Dioxide | | WATT-HRS | Watt Hours | |
| CO2 BAG 2 | Bag 2 Carbon Dioxide | | HC-NM BAG 1 | Bag 1 Non-methane Hydrocarbon | |
| CO2 BAG 3 | Bag 3 Carbon Dioxide | | HC-NM BAG 2 | Bag 2 Non-methane Hydrocarbon | |
| CO2 BAG 4 | Bag 4 Carbon Dioxide | | HC-NM BAG 3 | Bag 3 Non-methane Hydrocarbon | |
| NMOG+NOX | Non-methane organic gases plus Nitrogen Oxides | | HC-NM BAG 4 | Bag 4 Non-methane Hydrocarbon | |
| NMOG+NOX-COMP | SFTP Composite Non-methane Organic Gases + Nitrogen Oxides | | N2O BAG 1 | Bag 1 Nitrous Oxide | |
| DT-IWRR | Drive Trace Inertia Work Ratio Rating | | N2O BAG 2 | Bag 2 Nitrous Oxide | |
| DT-ASCR | Drive Trace Absolute Speed Change Rating | | N2O BAG 3 | Bag 3 Nitrous Oxide | |
| DT-EER | Drive Trace Energy Economy Rating | | N2O BAG 4 | Bag 4 Nitrous Oxide | |
| Certification Region | | | | | |
| CA | California + CAA Section 177 states | | FA | Federal | |
| Exhaust Emission Standard Level | | | | | |
| B1 | Federal Tier 2 Bin 1 | | HDV2B340 | Federal Tier 3 HD Class 2b Transitional Bin 340 | |
| B2 | Federal Tier 2 Bin 2 | | HDV2B250 | Federal Tier 3 HD Class 2b Bin 250 | |
| B3 | Federal Tier 2 Bin 3 | | HDV2B200 | Federal Tier 3 HD Class 2b Bin 200 | |
| B4 | Federal Tier 2 Bin 4 | | HDV2B170 | Federal Tier 3 HD Class 2b Bin 170 | |
| B5 | Federal Tier 2 Bin 5 | | HDV2B150 | Federal Tier 3 HD Class 2b Bin 150 | |
| B6 | Federal Tier 2 Bin 6 | | HDV2B0 | Federal Tier 3 HD Class 2b Bin 0 | |
| B7 | Federal Tier 2 Bin 7 | | HDV3B630 | Federal Tier 3 HD Class 3 Transitional Bin 630 | |
| B8 | Federal Tier 2 Bin 8 | | HDV3B570 | Federal Tier 3 HD Class 3 Transitional Bin 570 | |
| B9 | Federal Tier 2 Bin 9 | | HDV3B400 | Federal Tier 3 HD Class 3 Bin 400 | |
| B10 | Federal Tier 2 Bin 10 | | HDV3B270 | Federal Tier 3 HD Class 3 Bin 270 | |
| B11 | Federal Tier 2 Bin 11 | | HDV3B230 | Federal Tier 3 HD Class 3 Bin 230 | |
| HDV1 | HDV1 (Federal HD chassis Class 2b GVW 8501-10000) | | HDV3B200 | Federal Tier 3 HD Class 3 Bin 200 | |
| HDV2 | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) | | HDV3B0 | Federal Tier 3 HD Class 3 Bin 0 | |
| L2 | California LEV-II LEV | | L4SULEV100 | California LEV-IV SULEV100 | |
| L2OP | California LEV-II LEV Optional | | L4SULEV125 | California LEV-IV SULEV125 | |
| U2 | California LEV-II ULEV | | L4SULEV15 | California LEV-IV SULEV15 | |
| S2 | California LEV-II SULEV | | L4SULEV150 | California LEV-IV SULEV150 | |
| ZEV | California ZEV | | L4SULEV170 | California LEV-IV SULEV170 | |
| OT | Other | | L4SULEV175 | California LEV-IV SULEV175 | |
| T1 | Federal Tier 1 | | L4SULEV20 | California LEV-IV SULEV20 | |
| PZEV | California PZEV | | L4SULEV200 | California LEV-IV SULEV200 | |
| L2LEV160 | California LEV-II LEV160 | | L4SULEV230 | California LEV-IV SULEV230 | |
| L2ULEV125 | California LEV-II ULEV125 | | L4SULEV25 | California LEV-IV SULEV25 | |
| L2SULEV30 | California LEV-II SULEV30 | | L4SULEV30 | California LEV-IV SULEV30 | |
| L2LEV395 | California LEV-II LEV395 | | L4SULEV75 | California LEV-IV SULEV75 | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|-------------------------------|---|------------------------------|--|
| L2ULEV340 | California LEV-II ULEV340 | L4SULEV85 | California LEV-IV SULEV85 |
| L2LEV630 | California LEV-II LEV630 | L4ULEV125 | California LEV-IV ULEV125 |
| L2ULEV570 | California LEV-II ULEV570 | L4ULEV200 | California LEV-IV ULEV200 |
| L3LEV160 | California LEV-III LEV160 | L4ULEV250 | California LEV-IV ULEV250 |
| L3ULEV125 | California LEV-III ULEV125 | L4ULEV270 | California LEV-IV ULEV270 |
| L3ULEV70 | California LEV-III ULEV70 | L4ULEV40 | California LEV-IV ULEV40 |
| L3ULEV50 | California LEV-III ULEV50 | L4ULEV400 | California LEV-IV ULEV400 |
| L3SULEV30 | California LEV-III SULEV30 | L4ULEV50 | California LEV-IV ULEV50 |
| L3SULEV20 | California LEV-III SULEV20 | L4ULEV60 | California LEV-IV ULEV60 |
| L3LEV395 | California LEV-III LEV395 | L4ULEV70 | California LEV-IV ULEV70 |
| L3ULEV340 | California LEV-III ULEV340 | T4B170 | Federal Tier 4 MDV Bin 170 |
| L3ULEV250 | California LEV-III ULEV250 | T4B150 | Federal Tier 4 MDV Bin 150 |
| L3ULEV200 | California LEV-III ULEV200 | T4B125 | Federal Tier 4 MDV Bin 125 |
| L3SULEV170 | California LEV-III SULEV170 | T4B100 | Federal Tier 4 MDV Bin 100 |
| L3SULEV150 | California LEV-III SULEV150 | T4B85 | Federal Tier 4 MDV Bin 85 |
| L3LEV630 | California LEV-III LEV630 | T4B75 | Federal Tier 4 MDV Bin 75 |
| L3ULEV570 | California LEV-III ULEV570 | T4B70 | Federal Tier 4 Bin 70 |
| L3ULEV400 | California LEV-III ULEV400 | T4B65 | Federal Tier 4 Bin 65 |
| L3ULEV270 | California LEV-III ULEV270 | T4B60 | Federal Tier 4 Bin 60 |
| L3SULEV230 | California LEV-III SULEV230 | T4B55 | Federal Tier 4 Bin 55 |
| L3SULEV200 | California LEV-III SULEV200 | T4B50 | Federal Tier 4 Bin 50 |
| T3B160 | Federal Tier 3 Bin 160 | T4B45 | Federal Tier 4 Bin 45 |
| T3B125 | Federal Tier 3 Bin 125 | T4B40 | Federal Tier 4 Bin 40 |
| T3B110 | Federal Tier 3 Transitional Bin 110 | T4B35 | Federal Tier 4 Bin 35 |
| T3B85 | Federal Tier 3 Transitional Bin 85 | T4B30 | Federal Tier 4 Bin 30 |
| T3SULEV30 | Federal Tier 3 Transitional LEV-II SULEV30 Carryover | T4B25 | Federal Tier 4 Bin 25 |
| T3B70 | Federal Tier 3 Bin 70 | T4B20 | Federal Tier 4 Bin 20 |
| T3B50 | Federal Tier 3 Bin 50 | T4B15 | Federal Tier 4 Bin 15 |
| T3B30 | Federal Tier 3 Bin 30 | T4B10 | Federal Tier 4 Bin 10 |
| T3B20 | Federal Tier 3 Bin 20 | T4B5 | Federal Tier 4 Bin 5 |
| T3B0 | Federal Tier 3 Bin 0 | T4B0 | Federal Tier 4 Bin 0 |
| HDV2B395 | Federal Tier 3 HD Class 2b Transitional Bin 395 | | |
| Transmission Type Code | | | |
| AMS | Automated Manual- Selectable (e.g. Automated Manual with paddles) | M | Manual |
| A | Automatic | OT | Other |
| AM | Automated Manual | SA | Semi-Automatic |
| CVT | Continuously Variable | SCV | Selectable Continuously Variable (e.g. CVT with paddles) |
| Drive System Code | | | |
| 4 | 4-Wheel Drive | P | Part-time 4-Wheel Drive |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0136PR0 |
|--------------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| F | 2-Wheel Drive, Front | A | All Wheel Drive |
| R | 2-Wheel Drive, Rear | | |
| Additional Terms and Acronyms | | | |
| AFC | Alternative Fuel Converter | ICI | Independent Commercial Importer |
| CSI | Certificate Summary Information | ORVR | Onboard Refueling Vapor Recovery |
| DF | Deterioration Factor | SIL | Shift Indicator Light |
| Evap | Evaporation, Evaporative | Trans | Transmission |

Certification Summary Information Report

| | | | |
|-----------------------------------|--------------|-------------------------------------|------------------------|
| Manufacturer | FCA US LLC | Manufacturer Code | CRX |
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Certificate Number | -- | CARB Executive Order # | -- |
| Certificate Issue Date | -- | Certificate Revision Date | -- |
| Certificate Effective Date | -- | Conditional Certificate | -- |
| CSI Revision # | -- | CSI Submission/Revision Date | 03/18/2026 02:59:59 PM |
| Model Year | 2027 | | |

| | | | |
|----------------------------------|-----------------------|--|-------------------------------------|
| Test Group Information | | | |
| CSI Type | Update for Correction | Running Change Reference Number | -- |
| GHG Exempt Status | Not Exempt | | |
| Drive Sources and Fuel(s) | | | |
| Drive Source #1: | Combustion Engine | | |
| | Fuel | Basic Fuel Metering System | Lean Burn Strategy Indicator |
| | Gasoline | Multipoint/sequential fuel injection | No |

| | | | |
|---|--|--|------------------|
| Hybrid Indicator | No | | |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | -- |
| Multiple Fuel Combustion | -- | Off-board Charge Capable Indicator | -- |
| Fuel Cell Indicator | -- | EPA Vehicle Class | LDT2, LDT4, LDT3 |
| Federal Clean Fuel Vehicle | Yes | Federal Clean Fuel Vehicle Standard | LEV |
| Federal Clean Fuel Vehicle ILEV | No | California Partial Zero Emissions Vehicle Indicator | No |
| Durability Group Name | VCRXGPGNNF12 | Durability Group Equivalency Factor | 1.0 |
| Reduced Fee Test Group | No | Certification Region Code(s) | FA, CA |
| Complies with HD GHG 2b/3 regulations? | No | | |
| Introduction into Commerce Date | -- | CAP2000 Conditional Certificate? | N/A |
| Independent Commercial Importer? | -- | Alternative Fuel Converter Certificate? | -- |
| SFTP Federal Composite Compliance Identifier | Tier 3 | SFTP Tier 2 Composite CO Option | No |
| SFTP LEV-III Composite Compliance Indicator | Yes | | |
| OBD Compliance Type | CARB | OBD Demonstration Vehicle Test Group | VCRXT03.6570 |
| Test Group OBD Compliance Level | Partial - with deficiencies and penalty | Number of Test Group OBD Deficiencies | 4 |
| OBD Deficiencies Comments | 1. SAE International (SAE) J1972-2 Implementation (Models: WD, WL, JL, JT) 2. Adaptive cruise control and parallel park systems default action, if equipped, (Models: RU, WD, WL, JL, JT) 3. Transmission Control Module (TCM) coordinated code clear (Models: RU) 4. Recent Operation Counters Reset. (Models: RU) | | |
| Mfr Test Group Comments | T3BIN30 E10 - City Litmus Value: 16.1; City Litmus Threshold: 15.4; Hwy Litmus Value: 20.9; Hwy Litmus Threshold: 20.1; E10 Fuel Batch Properties - Fuel Net Heat of Combustion and Fuel Carbon Mass fraction values will appear in E0 fields for Fuel Batch properties submissions prior to 6/13/25 Fuel Net Heat of Combustion units will be in BTU/LB | | |
| Mfr Exhaust / Evap Standards Comments | -- | | |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|-------------------|--------------|-------------------------------------|--------------|

Evaporative/Refueling Family Information

| | | | |
|---|---|---|------------------------|
| Evaporative Summary Information Type | New | Submission/Correction Date | 01/07/2026 02:32:27 PM |
| Integrated ORVR? | Yes | Fuel(s) | Gasoline |
| Multiple Fuel Storage | -- | | |
| Bladder Fuel Tank? | No | | |
| Fuel Tank Material | Plastic | Fuel Tank Material Description | hdpe/co-ex |
| Fill Pipe Seal Type | Liquid seal | | |
| Air Intake System Vapor Storage Device? | No | Air Intake System Vapor Storage Device Description | -- |
| Fuel System Vapor Storage Canister? | Yes | Other Vapor Storage | -- |
| Fuel System Vapor Storage Canister(s) Total Working Capacity (grams) | 140 | Number of Primary Canisters | 1 |
| Number of Bleed Canisters | 0 | Bleed Canister Total Working Capacity (grams) | 0 |
| Mfr Evaporative/Refueling Family Comments | This Evaporative Family is being certified with an evaporative FEL of 0.450 grams, generating credits as compared to the nominal standard of 0.500 grams. | | |

Leak Family Details

| | | | |
|---|-----|---|----------|
| Leak Family Indicator | Yes | | |
| Canister Bleed Test Indicator | Yes | Applicability of Evaporative Canister Bleed Test | 50 State |
| Evaporative Canister Bleed Test Comments | -- | | |
| CARB Fuel Only (Rig) Test Indicator | No | Applicability of CARB Fuel Only (Rig) Test | -- |
| CARB Fuel Only (Rig) Test Comments | -- | | |

| Leak Family Name | Applicability of Leak Family Requirements | Leak Family Standard (inches) | Leak Family Description |
|------------------|---|-------------------------------|-------------------------|
| VCRXR0140RR0-LF1 | 50 State | 0.02 | -- |

Models Covered by this Certificate

| Carline Manufacturer | Division | Carline | Certification Region Code(s) | Drive System | Trans - Type | - # of Gears | Trans - Lockup |
|----------------------|--------------|---------------------|-------------------------------------|----------------------|--------------|--------------|----------------|
| FCA US LLC | 1 - Chrysler | 190 - Voyager | Federal | 2-Wheel Drive, Front | Automatic | 9 | Yes |
| FCA US LLC | 1 - Chrysler | 192 - Grand Caravan | Federal | 2-Wheel Drive, Front | Automatic | 9 | Yes |
| FCA US LLC | 1 - Chrysler | 192 - Grand Caravan | California + CAA Section 177 states | 2-Wheel Drive, Front | Automatic | 9 | Yes |
| FCA US LLC | 1 - Chrysler | 190 - Voyager | California + CAA Section 177 states | 2-Wheel Drive, Front | Automatic | 9 | Yes |
| FCA US LLC | 1 - Chrysler | 180 - Pacifica | Federal | 2-Wheel Drive, Front | Automatic | 9 | Yes |
| FCA US LLC | 1 - Chrysler | 180 - Pacifica | California + CAA Section 177 states | 2-Wheel Drive, Front | Automatic | 9 | Yes |
| FCA US LLC | 1 - Chrysler | 185 - Pacifica AWD | California + CAA Section 177 states | All Wheel Drive | Automatic | 9 | Yes |
| FCA US LLC | 1 - Chrysler | 185 - Pacifica AWD | Federal | All Wheel Drive | Automatic | 9 | Yes |

Certification Summary Information Report

| | | | |
|--|-------------------------|--|---------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Engine Description | | | |
| Hybrid Type | -- | Hybrid Description | -- |
| Engine Type | 4-Stroke Spark Ignition | Mfr Engine Description | -- |
| Engine Block Arrangement | V-shaped engine | Mfr Engine Block Arrangement Description | -- |
| Camless Valvetrain Indicator | No | Oil Viscosity/Classification | 0W-20 |
| Number of Cylinders/Rotors | 6 | Mechanically Variable Compression Ratio Indicator | N |
| After Treatment Device(s) (ATD) | | | |
| ATD Number | ATD Type | ATD Precious Metal | Substrate Material |
| 1 | Three-way catalyst | Platinum + Palladium + Rhodium | Ceramic |
| 2 | Three-way catalyst | Palladium + Rhodium | Ceramic |
| Mfr After Treatment Device (ATD) Comments | THREE WAY CATALYST | | |
| Direct Ozone Reduction (DOR) Device | Not Equipped | | |
| Mfr Emission Control Device Comments | -- | | |
| Engine Configuration Number 1 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 285 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 2 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 287 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|--|---------------------|--|--------------|
| Engine Configuration Number 3 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 293 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Certification Summary Information Report

| | | | |
|---|---------------------|---|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Engine Configuration Number 4 | | | |
| Engine Displacement (liters) | 3.6 | Engine Rated Horsepower | 295 |
| Number of Inlet Valves Per Cylinder | 2 | Number of Exhaust Valves Per Cylinder | 2 |
| Air Aspiration Method | Naturally Aspirated | Number of Air Aspiration Devices | 0 |
| Air Aspiration Device Configuration | -- | Charge Air Cooler Type | N/A |
| Air Aspiration Drive Method(s) | -- | | |
| Cylinder Deactivation | No | | |
| Cylinder Deactivation Description | -- | | |
| Variable Valve Timing | Yes | | |
| Variable Valve Timing System Description | Cam Phaser | | |
| Variable Valve Lift? | No | | |
| Variable Valve Lift System Description | -- | | |
| Number of Knock Sensors | 2 | Number of Air/Fuel Sensors | 4 |
| Air/Fuel Sensor # 1 Type | Heated oxygen | Air/Fuel Sensor # 1 Description | -- |
| Air/Fuel Sensor # 2 Type | Heated oxygen | Air/Fuel Sensor # 2 Description | -- |
| Air/Fuel Sensor # 3 Type | Heated oxygen | Air/Fuel Sensor # 3 Description | -- |
| Air/Fuel Sensor # 4 Type | Heated oxygen | Air/Fuel Sensor # 4 Description | -- |
| Mfr Air/Fuel Sensor Comments | -- | | |
| Exhaust Gas Recirculation | Yes | Cooled Exhaust Gas Recirculation | Yes |
| EGR Type | Electronic/Electric | Exhaust Gas Recirculation Description if 'Other' | -- |
| Closed Loop Air Injection System | No | | |
| Air Injection Type | Not Applicable | Air Injection Type if 'Other' | -- |
| Mfr Engine Configuration Comments | -- | | |

Official Test Numbers

| Test Group | Fuel | FTP | US06 | SC03 | Cold CO | Highway | EPA City Litmus Value | EPA City Litmus Threshold | EPA Highway Litmus Value | EPA Highway Litmus Threshold | CREE Weighting Factor |
|------------|--------------|--------------|--------------|--------------|--------------|---------|-----------------------|---------------------------|--------------------------|------------------------------|-----------------------|
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 | SCRX10085925 | SCRX10085921 | 18.6 | 228.2 | 27.2 | 286.1 | 1.0 | |

SFTP LEV-III Official Test Numbers

| Test Group Fuel | FTP | US06 | SC03 |
|-----------------|--------------|--------------|--------------|
| Gasoline | SCRX10085920 | SCRX10085922 | SCRX10085926 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 | | | | | | |
|--|---|--|---------------------|------------------------|--------------|------|---|-------------------|----------|
| Emission Data Vehicle Information | | | | | | | | | |
| Vehicle ID / Configuration | L4WDE4727 / 1 | Manufacturer Vehicle Configuration Number | 1 | | | | | | |
| Original Test Group Name | SCRXT03.65P5 | Original Evaporative/Refueling Family | SCRXR0204RP0 | | | | | | |
| Original Test Vehicle Model Year | 2025 | | | | | | | | |
| Vehicle Model | | | | | | | | | |
| Represented Test Vehicle Make | Dodge | Represented Test Vehicle Model | Durango Pursuit AWD | | | | | | |
| Leak Family Details | | | | | | | | | |
| Leak Family Identifier | -- | Leak Family Name | -- | | | | | | |
| Drive Sources and Fuel System Details | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table> | | | Drive Source and Fuel# | Drive Source | Fuel | 1 | Combustion Engine | Gasoline |
| Drive Source and Fuel# | Drive Source | Fuel | | | | | | | |
| 1 | Combustion Engine | Gasoline | | | | | | | |
| Hybrid Indicator | No | | | | | | | | |
| Multiple Fuel Storage | -- | Multiple Fuel Combustion | -- | | | | | | |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System Indicator | -- | | | | | | |
| Rechargeable Energy Storage System | -- | Rechargeable Energy Storage System, if 'Other' | -- | | | | | | |
| Off-board charge Capable Indicator | -- | | | | | | | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 | | | | | | |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | | | | | | | |
| Odometer Correction Units | Miles | | | | | | | | |
| Engine Code | AA-0050 | Rated Horsepower | 295 | | | | | | |
| Displacement (liters) | 3.6 | | | | | | | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | | | | | | | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- | | | | | | |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Rear | | | | | | |
| Shift Indicator Light Usage | Equipped, not shifted by SIL | Aged Emission Components | 150,000 (mi) | | | | | | |
| Curb Weight (lbs) | 5018 | Equivalent Test Weight (pounds) | 5250 | | | | | | |
| GVWR (lbs) | 6500 | N/V Ratio | 27 | | | | | | |
| Axle Ratio | 3.45 | | | | | | | | |
| Transmission Type | Automatic | # of Transmission Gears | 8 | | | | | | |
| Transmission Lockup | Yes | Creeper Gear | No | | | | | | |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|-------------------|--------------|-------------------------------------|--------------|

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|----------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | 18.6 |
| Cold CO | 69.63 | -0.3198 | 0.03984 | 27.83 | -0.3769 | 0.03869 | N/A |
| US06 | 63.3 | -0.2907 | 0.03622 | 29.46 | -0.1608 | 0.03356 | N/A |

Emission Control Device Comments

--

Manufacturer Test Vehicle Comments

callout: 25DA-T03.65P5-2

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Test # | SCRX10085920 | Test Procedure | 25 - California fuel 2-day exhaust (w/can load) |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6273 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 451.11 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 19.18 | 19.18 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 450.59 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 19.25 | 19.25 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 397.26 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 21.87 | 21.87 |
| METHANE (CH4 - Methane) | 0.007794 | -- |
| CO (Carbon Monoxide) | 0.520399 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.382 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.848 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -2.098 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19.9 | 19.9 |
| NOX (Nitrogen Oxide) | 0.007992 | -- |
| N2O (Nitrous Oxide) | 0.001615 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.011103 | -- |
| NMOG (Non-methane organic gases) | 0.012199 | -- |
| PM (Particulate Matter) | 0.000111 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.018344 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 437 | 999 |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | Evaporative/Refueling Family | | | | VCRXR0140RR0 | | | | |
|-----------------------------------|---------------|--|---------------|------------------------------|-----|------------------|--------------------------|--------------|---------|---------------------|----------|-----------|
| Test Result Name | | Unrounded Test Result | | Verify Calculated CO2 | | | | | | | | |
| Carbon dioxide | | 436.03844 | | -- | | | | | | | | |
| Manufacturer Test Comments | | 25DA-T03.65P5-2 city 150k Auto ESSon Fixed E10 | | | | | | | | | | |
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |
| CA | 150,000 miles | Other | CO | 0.52 | -- | -- | -- | 0 | 1 | 0.5 | 1.0 | Pass |
| CA | 150,000 miles | Other | CO-COMP | 2.28 | -- | -- | -- | 0 | 1 | 2.3 | 4.2 | Pass |
| CA | 150,000 miles | Other | METHANE | 0.0078 | -- | -- | -- | 0 | 1 | 0.008 | 0.030 | Pass |
| CA | 150,000 miles | Other | N2O | 0.0016 | -- | -- | -- | 0 | 1 | 0.002 | 0.010 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0122 | -- | -- | -- | 0 | 1 | 0.012 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0202 | -- | -- | -- | -- | -- | 0.020 | 0.030 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX-COMP | 0.0224 | -- | -- | -- | 0 | 1 | 0.022 | 0.040 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0080 | -- | -- | -- | 0 | 1 | 0.008 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0001 | -- | -- | -- | 0 | 1 | 0.000 | 0.001 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Test # | SCRX10085925 | Test Procedure | 11 - Cold CO |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) |
| Test Date | 04/28/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6413 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 569.02 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 14.95 | 14.95 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 505.1 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 17.12 | 17.12 |
| CO2 BAG 3 (Bag 3 Carbon Dioxide) | 442.21 | -- |
| FE BAG 3 (Bag 3 Fuel Economy) | 19.57 | 19.57 |
| METHANE (CH4 - Methane) | 0.025875 | -- |
| CO (Carbon Monoxide) | 1.416991 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.6433 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | 0.4567 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 0.9298 | -- |
| MFR FE (Manufacturer Fuel Economy) | 17.2 | 17.2 |
| NOX (Nitrogen Oxide) | 0.025717 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.196472 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 504 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 501.08744 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 city 150k Auto ESSon Fixed CCO

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|-------------------|--------------|-------------------------------------|--------------|

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
|-------------------------|---------------|--------------------------|---------------|-------------------|-----|---------------------|--------------------------------|--------|---------|------------------------|----------|-----------|
| Fed | 50,000 miles | Federal Tier 3 Bin 30 | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | HC-NM | 0.20 | -- | -- | -- | 0 | 1 | 0.2 | 0.3 | Pass |
| CA | 50,000 miles | Other | CO | 1.42 | -- | -- | -- | 0 | 1 | 1.4 | 12.5 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Test # | SCRX10085921 | Test Procedure | 3 - HWFE |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6284 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| METHANE (CH4 - Methane) | 0.002349 | -- |
| CO (Carbon Monoxide) | 0.319216 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -0.909 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.384 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -1.077 | -- |
| MFR FE (Manufacturer Fuel Economy) | 29.4 | 29.4 |
| NOX (Nitrogen Oxide) | 0.002763 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.000402 | -- |
| NMOG (Non-methane organic gases) | 0.000414 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.002667 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 296 | 999 |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 294.5705 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 hwy 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0140RR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CREE | 999 | -- | -- | -- | 0 | 1 | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0032 | -- | -- | -- | -- | -- | 0.003 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0028 | -- | -- | -- | 0 | 1 | 0.003 | 999.999 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Test # | SCRX10085922 | Test Procedure | 90 - US06 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/18/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CPG | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6312 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| CO2 BAG 1 (Bag 1 Carbon Dioxide) | 686.97 | -- |
| FE BAG 1 (Bag 1 Fuel Economy) | 12.45 | 12.45 |
| CO2 BAG 2 (Bag 2 Carbon Dioxide) | 379.3 | -- |
| FE BAG 2 (Bag 2 Fuel Economy) | 22.36 | 22.36 |
| METHANE (CH4 - Methane) | 0.013449 | -- |
| CO (Carbon Monoxide) | 6.40656 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -3.383 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -1.702 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -6.194 | -- |
| MFR FE (Manufacturer Fuel Economy) | 19 | 19 |
| NOX (Nitrogen Oxide) | 0.010247 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.022427 | -- |
| NMOG (Non-methane organic gases) | 0.023104 | -- |
| PM (Particulate Matter) | 0.000362 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.035397 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 457 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 447.42749 | -- |

Manufacturer Test Comments

25DA-T03.65P5-2 us06 150k Auto ESSon Fixed E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0140RR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.006 | Pass |
| CA | 150,000 miles | Other | CO | 6.41 | -- | -- | -- | 0 | 1 | 6.4 | 999.9 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0231 | -- | -- | -- | 0 | 1 | 0.023 | 999.999 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0102 | -- | -- | -- | 0 | 1 | 0.010 | 999.999 | Pass |
| CA | 150,000 miles | Other | PM | 0.0004 | -- | -- | -- | 0 | 1 | 0.000 | 0.003 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Test # | SCRX10085926 | Test Procedure | 95 - SC03 |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 04/24/2024 | Fuel | Gasoline |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 6337 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | Yes |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|---|-----------------------|--|
| METHANE (CH4 - Methane) | 0.011898 | -- |
| CO (Carbon Monoxide) | 0.826855 | -- |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.046 | -- |
| DT-EER (Drive Trace Energy Economy Rating) | -0.901 | -- |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating) | -0.486 | -- |
| MFR FE (Manufacturer Fuel Economy) | 18.3 | 18.3 |
| NOX (Nitrogen Oxide) | 0.007364 | -- |
| HC-NM (Non-methane Hydrocarbon) | 0.008623 | -- |
| NMOG (Non-methane organic gases) | 0.008883 | -- |
| HC-TOTAL (Total Hydrocarbon) | 0.019922 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|---|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 479 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|-----------------------|-----------------------|-----------------------|
| Carbon dioxide | 477.76898 | -- |

Manufacturer Test Comments 25DA-T03.65P5-2 sc03 rerun150k Auto ESSon RSF E10

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | | | VCRXR0140RR0 | | |
|----------------------|---------------|-----------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | CO | 0.83 | -- | -- | -- | 0 | 1 | 0.8 | 999.9 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 30 | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG | 0.0089 | -- | -- | -- | 0 | 1 | 0.009 | 999.999 | Pass |
| CA | 150,000 miles | Other | NMOG+NOX | 0.0163 | -- | -- | -- | -- | -- | 0.016 | 0.030 | Pass |
| CA | 150,000 miles | Other | NOX | 0.0074 | -- | -- | -- | 0 | 1 | 0.007 | 999.999 | Pass |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 | | | | | | |
|--|---|--|----------------------|------------------------|--------------|------|---|-------------------|----------|
| Emission Data Vehicle Information | | | | | | | | | |
| Vehicle ID / Configuration | L7RUC8881 / 0 | Manufacturer Vehicle Configuration Number | 0 | | | | | | |
| Original Test Group Name | HCRXT03.65P1 | Original Evaporative/Refueling Family | HCRXR0140RP0 | | | | | | |
| Original Test Vehicle Model Year | 2017 | | | | | | | | |
| Vehicle Model | | | | | | | | | |
| Represented Test Vehicle Make | Chrysler | Represented Test Vehicle Model | Pacifica | | | | | | |
| Leak Family Details | | | | | | | | | |
| Leak Family Identifier | -- | Leak Family Name | -- | | | | | | |
| Drive Sources and Fuel System Details | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table> | | | Drive Source and Fuel# | Drive Source | Fuel | 1 | Combustion Engine | Gasoline |
| Drive Source and Fuel# | Drive Source | Fuel | | | | | | | |
| 1 | Combustion Engine | Gasoline | | | | | | | |
| Hybrid Indicator | No | | | | | | | | |
| Multiple Fuel Storage | -- | Multiple Fuel Combustion | -- | | | | | | |
| Fuel Cell Indicator | -- | Rechargeable Energy Storage System Indicator | -- | | | | | | |
| Rechargeable Energy Storage System | -- | Rechargeable Energy Storage System, if 'Other' | -- | | | | | | |
| Off-board charge Capable Indicator | -- | | | | | | | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 1 | | | | | | |
| Odometer Correction Sign | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor | | | | | | | | |
| Odometer Correction Units | Miles | | | | | | | | |
| Engine Code | AA-600 | Rated Horsepower | 287 | | | | | | |
| Displacement (liters) | 3.6 | | | | | | | | |
| Air Aspiration Method | Naturally Aspirated | Air Aspiration Method, if 'Other' | | | | | | | |
| Number of Air Aspiration Devices | 0 | Air Aspiration Device Configuration | -- | | | | | | |
| Charge Air Cooler Type | -- | Drive Mode While Testing | 2-Wheel Drive, Front | | | | | | |
| Shift Indicator Light Usage | Not equipped | Aged Emission Components | 4,000 (mi) | | | | | | |
| Curb Weight (lbs) | 5189 | Equivalent Test Weight (pounds) | 5250 | | | | | | |
| GVWR (lbs) | 6005 | N/V Ratio | 18.7 | | | | | | |
| Axle Ratio | 1.56 | | | | | | | | |
| Transmission Type | Automatic | # of Transmission Gears | 9 | | | | | | |
| Transmission Lockup | Yes | Creeper Gear | No | | | | | | |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|-------------------|--------------|-------------------------------------|--------------|

Dynamometer Coefficients:

| Coefficient Category | Target Coefficients | | | Set Coefficients | | | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|----------------------|---------------------|-------------|----------------|------------------|-------------|----------------|---|
| | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | |
| City/Highway/Evap | 42.12 | 0.2921 | 0.02329 | 13.33 | 0.2707 | 0.0222 | 15.3 |
| Cold CO | 1 | 1 | 1 | 13.33 | 0.2707 | 0.0222 | N/A |
| US06 | 42.12 | 0.2921 | 0.02329 | 13.33 | 0.2707 | 0.0222 | N/A |

Emission Control Device Comments --
Manufacturer Test Vehicle Comments callout: 17RC-023-1

| | | | |
|--|---|---------------------------------------|--|
| Test # | HCRX10044760 | Test Procedure | 27 - California fuel 2-day evap |
| Exhaust Test # for this Evap Test | HCRX10044752 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 06/30/2016 | Fuel | Gasoline |
| Fuel Batch ID | 10256 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Actual Total Hydrocarbon Equivalent Measurement (with speciation) | | |
| Test Start Odometer Reading | 3635 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|---|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.347 | -- |

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.0397, Diurnal (g) = 0.3073

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.3470 | 0.0057 | 0.353 | 0.450 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.3470 | 0.0057 | 0.353 | 0.450 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|-------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Test # | HCRX10044761 | Test Procedure | 38 - CA fuel 3-day evap. |
| Exhaust Test # for this Evap Test | HCRX10044753 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 07/11/2016 | Fuel | Gasoline |
| Fuel Batch ID | 10286 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | Actual Total Hydrocarbon Equivalent Measurement (with speciation) | | |
| Test Start Odometer Reading | 3685 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.3431 | -- |

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.1171, Diurnal (g) = 0.2260

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.3431 | 0.0090 | 0.352 | 0.450 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.3431 | 0.0090 | 0.352 | 0.450 | Pass |

Certification Summary Information Report

| | | | |
|--|---|---------------------------------------|--|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Test # | HCRX10044755 | Test Procedure | 24 - Federal fuel refueling test (ORVR) |
| Exhaust Test # for this Evap Test | HCRX10044754 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 07/21/2016 | Fuel | Gasoline |
| Fuel Batch ID | 10286 | Fuel Calibration Number | 1 |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | CTC | | |
| E10 Evaporative Test Measurement Method | -- | | |
| Test Start Odometer Reading | 3765 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | No | | |
| Drive Cycle Speed Tolerance Criteria | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | Road Speed Fan Usage | No |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|--|-----------------------|--|
| HC (Hydrocarbon for Running Loss and ORVR) | 0.045 | -- |

Manufacturer Test Comments LEVIII Cert ORVR E10

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|---------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC | 0.045 | 0.000 | 0.04 | 0.20 | Pass |
| CA | 150,000 miles | Other | HC | 0.045 | 0.000 | 0.04 | 0.20 | Pass |

Certification Summary Information Report

| | | | |
|--|--|---------------------------------------|--------------------------------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Test # | HCRX10076772 | Test Procedure | 65 - Evap Canister Bleed Test |
| Exhaust Test # for this Evap Test | -- | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 06/17/2017 | Fuel | Gasoline |
| Fuel Batch ID | -- | Fuel Calibration Number | -- |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | Sterling Performance | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |
| Test Start Odometer Reading | 0 | Odometer Units | M |
| 4WD Test Dyno | No | Diesel Adjustment Factor Usage | -- |
| State of Charge Delta | -- | | |
| Drive Cycle Speed Tolerance Criteria | -- | Road Speed Fan Usage | -- |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value |
|--|-----------------------|---------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.0074 | -- |

Manufacturer Test Comments Test run on a rig with aged components (not actual vehicle)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 150,000 miles | Federal Tier 3 Evap | HC-TOTAL-EQUIV | 0.0074 | 0.0000 | 0.007 | 0.020 | Pass |
| CA | 150,000 miles | Other | HC-TOTAL-EQUIV | 0.0074 | 0.0000 | 0.007 | 0.020 | Pass |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|---|--|---|--------------|
| Fuel Properties | | | |
| Fuel Batch ID | 11303 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.828 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.7 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17975 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.828 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 10286 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 07/08/2016 |
| Fuel Batch Calibration Effective Date | 07/08/2016 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.827 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.751 |
| Fuel Ethanol Volume Percent (%) | -- | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17898 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.827 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11301 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 02/08/2024 |
| Fuel Batch Calibration Effective Date | 02/08/2024 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.833 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.753 |
| Fuel Ethanol Volume Percent (%) | 9.4 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17876 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.833 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 11292 | Fuel Calibration Number | 1 |
| Test Fuel Type | 28 - Cold CO E10 Regular Gasoline (Tier 3) | Fuel Batch Calibration Date | 12/18/2023 |
| Fuel Batch Calibration Effective Date | 12/18/2023 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.829 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | 0 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|--|-------------------------------------|--|--------------|
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.743 |
| Fuel Ethanol Volume Percent (%) | 9.8 | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17958 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.829 | Weight Fraction CO2 | -- |
| Fuel Batch ID | 10256 | Fuel Calibration Number | 1 |
| Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline | Fuel Batch Calibration Date | 04/06/2016 |
| Fuel Batch Calibration Effective Date | 04/06/2016 | Fuel Batch Calibration Ineffective Date | -- |
| Carbon Weight Fraction NMHC | 0.824 | Carbon Weight Fraction HC | -- |
| Exhaust Carbon Weight Fraction | -- | Fuel Methanol Volume Fraction | -- |
| Fuel Density (grams/cubic ft) | -- | Fuel Specific Gravity | 0.745 |
| Fuel Ethanol Volume Percent (%) | -- | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17964 |
| Fuel Net Heat of Combustion (E10) (MJ/kg) | -- | Fuel Carbon Mass Fraction (E10) | -- |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.824 | Weight Fraction CO2 | -- |

Certification Summary Information Report

| | | | |
|-------------------|--------------|-------------------------------------|--------------|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|-------------------|--------------|-------------------------------------|--------------|

Consolidated List of Standards

Exhaust Standards

| | | | |
|----------------------|----------------------------------|-------------------------|-----------------------|
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | US06 |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.006 |

| | | | |
|----------------------|-------------------------------------|-------------------------|--|
| Cert Region | California + CAA Section 177 states | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Other |
| Fuel | Gasoline | Test Procedure | California fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|---------|
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.001 |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0140RR0 | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Federal fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|----------------------------------|------------|--------------------|--|--|----------------|-----------------------|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0140RR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |
| 150,000 miles | HC-NM | -- | -- | -- | -- | -- | 1 | 0 | 0.3 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|---------------|------------|--|
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | US06 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-------------------------------------|------------|--------------------|--|--|----------------|--|------------|--|
| Test Group | | VCRXT03.6570 | | | Evaporative/Refueling Family | | | VCRXR0140RR0 | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | California fuel 2-day exhaust (w/can load) | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 1.0 | |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | 1 | 0 | 4.2 | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 | |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | 1 | 0 | 0.004 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | -- | -- | -- | -- | 1 | 0 | 0.030 | |
| 150,000 miles | NMOG+NOX-COMP | -- | -- | -- | -- | -- | 1 | 0 | 0.040 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | 1 | 0 | 0.003 | |
| | | | | | | | | | | |
| Cert Region | | Federal | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Federal Tier 3 Bin 30 | | |
| Fuel | | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 999.9 | |
| 150,000 miles | NMOG | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | 1 | 0 | 999.999 | |
| | | | | | | | | | | |
| Cert Region | | California + CAA Section 177 states | | | Cert/In-Use Code | | | Cert | | |
| Vehicle Class | | LDT2 (LVW 3751-5750, GVW 0-6000) | | | Standard Level | | | Other | | |
| Fuel | | Gasoline | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | 1 | 0 | 12.5 | |

Certification Summary Information Report

| | | | |
|----------------------|----------------------------------|-------------------------------------|---|
| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
| Cert Region | Federal | Cert/In-Use Code | Cert |
| Vehicle Class | LDT2 (LVW 3751-5750, GVW 0-6000) | Standard Level | Federal Tier 3 Bin 30 |
| Fuel | Gasoline | Test Procedure | Federal fuel 2-day exhaust (w/can load) |

| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
|---------------|---------------|----------------|-----|-------------|---------------------------------|-----------------------------------|---------|--------|-------|
| 150,000 miles | CREE | -- | -- | -- | -- | -- | 1 | 0 | 999 |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | 1 | 0 | 0.030 |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | 1 | 0 | 0.010 |

Evaporative/Refueling Standards

| | | | |
|-------------------------------------|----------------------------|-----------------------|-------------------------------------|
| Evaporative/Refueling Family | VCRXR0140RR0 | Cert Region | California + CAA Section 177 states |
| Cert/In-Use Code | Cert | Standard Level | Other |
| Test Procedure | California fuel 2-day evap | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.450 | 0.0057 |

| | | | |
|-------------------------------------|---------------------|-----------------------|---------------------|
| Evaporative/Refueling Family | VCRXR0140RR0 | Cert Region | Federal |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap |
| Test Procedure | CA fuel 3-day evap. | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|-------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.450 | 0.0090 |

| | | | |
|-------------------------------------|------------------------------|-----------------------|---------------------|
| Evaporative/Refueling Family | VCRXR0140RR0 | Cert Region | Federal |
| Cert/In-Use Code | Cert | Standard Level | Federal Tier 3 Evap |
| Test Procedure | California Fuel Running Loss | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|----------------|----------------|------|--------|
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |

| | | | |
|-------------------------------------|------------------------------------|-----------------------|-------------------------------------|
| Evaporative/Refueling Family | VCRXR0140RR0 | Cert Region | California + CAA Section 177 states |
| Cert/In-Use Code | Cert | Standard Level | Other |
| Test Procedure | Federal fuel refueling test (ORVR) | | |

| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
|----------|---------------|---------------|----------------|------|--------|
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |

Certification Summary Information Report

| | | | | | |
|-------------------------------------|------------------------------------|----------------------|-------------------------------------|-------------------------------------|---------------|
| Test Group | VCRXT03.6570 | | Evaporative/Refueling Family | VCRXR0140RR0 | |
| Evaporative/Refueling Family | VCRXR0140RR0 | | Cert Region | California + CAA Section 177 states | |
| Cert/In-Use Code | Cert | | Standard Level | Other | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0.000 |
| Evaporative/Refueling Family | VCRXR0140RR0 | | Cert Region | Federal | |
| Cert/In-Use Code | Cert | | Standard Level | Federal Tier 3 Evap | |
| Test Procedure | Evap Canister Bleed Test | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |
| Evaporative/Refueling Family | VCRXR0140RR0 | | Cert Region | California + CAA Section 177 states | |
| Cert/In-Use Code | Cert | | Standard Level | Other | |
| Test Procedure | CA fuel 3-day evap. | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.450 | 0.0090 |
| Evaporative/Refueling Family | VCRXR0140RR0 | | Cert Region | Federal | |
| Cert/In-Use Code | Cert | | Standard Level | Federal Tier 3 Evap | |
| Test Procedure | California fuel 2-day evap | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.450 | 0.0057 |
| Evaporative/Refueling Family | VCRXR0140RR0 | | Cert Region | California + CAA Section 177 states | |
| Cert/In-Use Code | Cert | | Standard Level | Other | |
| Test Procedure | Evap Canister Bleed Test | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.020 | 0.0000 |
| Evaporative/Refueling Family | VCRXR0140RR0 | | Cert Region | Federal | |
| Cert/In-Use Code | Cert | | Standard Level | Federal Tier 3 Evap | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC | -- | 0.20 | 0.000 |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|----------------------|---|------------------------------|--|
| Glossary | | | |
| Useful Life | | | |
| 4 | 4,000 miles | 120 | 120,000 miles |
| 50 | 50,000 miles | 150 | 150,000 miles |
| 100 | 100,000 miles | | |
| Emission Name | | | |
| HC-TOTAL | Total Hydrocarbon | COMB-CREE | Combined Carbon-Related Exhaust Emissions |
| CO | Carbon Monoxide | COMB-OPT-CREE | Combined Optional Carbon-Related Exhaust Emissions |
| CO2 | Carbon dioxide | HC-TOTAL-EQUIV | Total Hydrocarbon equivalent - Evap only |
| CREE | Carbon-Related Exhaust Emissions | METHANE-COMB | Combined CH4 for HD 2b/3 vehicles only |
| OPT-CREE | Optional Carbon-Related Exhaust Emissions | N2O-COMB | Combined Nitrous Oxide for HD 2b/3 vehicles only |
| NOX | Nitrogen Oxide | LEAK-DIA | Effective Leak Diameter (inches) |
| PM | Particulate Matter | LEAK-GAS CAP | Gas Cap Leakage (cc/min) |
| PM-COMP | SFTP Composite Particulate Matter | CO2-COMB | Combined Carbon Dioxide for HD 2b/3 Vehicles Only |
| HC-NM | Non-methane Hydrocarbon | KW-HRS | Integrated DC KW-HRS |
| OMHCE | Organic material Hydrocarbon Equivalent | CH4 BAG 1 | Bag 1 Methane |
| OMNMHCE | Organic material non-methane HC equivalent | CH4 BAG 2 | Bag 2 Methane |
| NMOG | Non-methane organic gases | CH4 BAG 3 | Bag 3 Methane |
| HCHO | Formaldehyde | CH4 BAG 4 | Bag 4 Methane |
| H3C2HO | Acetaldehyde | CO BAG 1 | Bag 1 Carbon Monoxide |
| HC-NM+NOX | SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03 | CO BAG 2 | Bag 2 Carbon Monoxide |
| HC-NM+NOX-COMP | SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides | CO BAG 3 | Bag 3 Carbon Monoxide |
| CO-COMP | SFTP Composite Carbon Monoxide | CO BAG 4 | Bag 4 Carbon Monoxide |
| ETHANOL | C2H5OH - Ethanol | NMOG BAG 1 | Bag 1 Non-methane organic gases |
| FE BAG 1 | Bag 1 Fuel Economy | NMOG BAG 2 | Bag 2 Non-methane organic gases |
| FE BAG 2 | Bag 2 Fuel Economy | NMOG BAG 3 | Bag 3 Non-methane organic gases |
| FE BAG 3 | Bag 3 Fuel Economy | NMOG BAG 4 | Bag 4 Non-methane organic gases |
| FE BAG 4 | Bag 4 Fuel Economy | ACT-DISTANCE BAG 1 | Bag 1 Actual Distance |
| MFR FE | Manufacturer Fuel Economy | ACT-DISTANCE BAG 2 | Bag 2 Actual Distance |
| HC | Hydrocarbon for Running Loss and ORVR | ACT-DISTANCE BAG 3 | Bag 3 Actual Distance |
| METHANE | CH4 - Methane | ACT-DISTANCE BAG 4 | Bag 4 Actual Distance |
| METHANOL | CH3OH - Methanol | HC-TOTAL BAG 1 | Bag 1 Total Hydrocarbon |
| N2O | Nitrous Oxide | HC-TOTAL BAG 2 | Bag 2 Total Hydrocarbon |
| SPITBACK | Spitback Hydrocarbon in grams | HC-TOTAL BAG 3 | Bag 3 Total Hydrocarbon |
| AMP-HRS | Integrated Amp-hours | HC-TOTAL BAG 4 | Bag 4 Total Hydrocarbon |
| START-SOC | System Start State of Charge Watt-hours | WATT-HRS BAG 1 | Bag 1 Watt Hours |
| END-SOC | System End State of Charge Watt-hours | WATT-HRS BAG 2 | Bag 2 Watt Hours |

Certification Summary Information Report

| Test Group | | VCRXT03.6570 | Evaporative/Refueling Family | | VCRXR0140RR0 |
|--|--|--------------|------------------------------|---|--------------|
| ACT-DISTANCE | Actual Distance Driven (miles) | | WATT-HRS BAG 3 | Bag 3 Watt Hours | |
| AS-VOLT | Average System Voltage | | WATT-HRS BAG 4 | Bag 4 Watt Hours | |
| CO2 BAG 1 | Bag 1 Carbon Dioxide | | WATT-HRS | Watt Hours | |
| CO2 BAG 2 | Bag 2 Carbon Dioxide | | HC-NM BAG 1 | Bag 1 Non-methane Hydrocarbon | |
| CO2 BAG 3 | Bag 3 Carbon Dioxide | | HC-NM BAG 2 | Bag 2 Non-methane Hydrocarbon | |
| CO2 BAG 4 | Bag 4 Carbon Dioxide | | HC-NM BAG 3 | Bag 3 Non-methane Hydrocarbon | |
| NMOG+NOX | Non-methane organic gases plus Nitrogen Oxides | | HC-NM BAG 4 | Bag 4 Non-methane Hydrocarbon | |
| NMOG+NOX-COMP | SFTP Composite Non-methane Organic Gases + Nitrogen Oxides | | N2O BAG 1 | Bag 1 Nitrous Oxide | |
| DT-IWRR | Drive Trace Inertia Work Ratio Rating | | N2O BAG 2 | Bag 2 Nitrous Oxide | |
| DT-ASCR | Drive Trace Absolute Speed Change Rating | | N2O BAG 3 | Bag 3 Nitrous Oxide | |
| DT-EER | Drive Trace Energy Economy Rating | | N2O BAG 4 | Bag 4 Nitrous Oxide | |
| Certification Region | | | | | |
| CA | California + CAA Section 177 states | | FA | Federal | |
| Exhaust Emission Standard Level | | | | | |
| B1 | Federal Tier 2 Bin 1 | | HDV2B340 | Federal Tier 3 HD Class 2b Transitional Bin 340 | |
| B2 | Federal Tier 2 Bin 2 | | HDV2B250 | Federal Tier 3 HD Class 2b Bin 250 | |
| B3 | Federal Tier 2 Bin 3 | | HDV2B200 | Federal Tier 3 HD Class 2b Bin 200 | |
| B4 | Federal Tier 2 Bin 4 | | HDV2B170 | Federal Tier 3 HD Class 2b Bin 170 | |
| B5 | Federal Tier 2 Bin 5 | | HDV2B150 | Federal Tier 3 HD Class 2b Bin 150 | |
| B6 | Federal Tier 2 Bin 6 | | HDV2B0 | Federal Tier 3 HD Class 2b Bin 0 | |
| B7 | Federal Tier 2 Bin 7 | | HDV3B630 | Federal Tier 3 HD Class 3 Transitional Bin 630 | |
| B8 | Federal Tier 2 Bin 8 | | HDV3B570 | Federal Tier 3 HD Class 3 Transitional Bin 570 | |
| B9 | Federal Tier 2 Bin 9 | | HDV3B400 | Federal Tier 3 HD Class 3 Bin 400 | |
| B10 | Federal Tier 2 Bin 10 | | HDV3B270 | Federal Tier 3 HD Class 3 Bin 270 | |
| B11 | Federal Tier 2 Bin 11 | | HDV3B230 | Federal Tier 3 HD Class 3 Bin 230 | |
| HDV1 | HDV1 (Federal HD chassis Class 2b GVW 8501-10000) | | HDV3B200 | Federal Tier 3 HD Class 3 Bin 200 | |
| HDV2 | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) | | HDV3B0 | Federal Tier 3 HD Class 3 Bin 0 | |
| L2 | California LEV-II LEV | | L4SULEV100 | California LEV-IV SULEV100 | |
| L2OP | California LEV-II LEV Optional | | L4SULEV125 | California LEV-IV SULEV125 | |
| U2 | California LEV-II ULEV | | L4SULEV15 | California LEV-IV SULEV15 | |
| S2 | California LEV-II SULEV | | L4SULEV150 | California LEV-IV SULEV150 | |
| ZEV | California ZEV | | L4SULEV170 | California LEV-IV SULEV170 | |
| OT | Other | | L4SULEV175 | California LEV-IV SULEV175 | |
| T1 | Federal Tier 1 | | L4SULEV20 | California LEV-IV SULEV20 | |
| PZEV | California PZEV | | L4SULEV200 | California LEV-IV SULEV200 | |
| L2LEV160 | California LEV-II LEV160 | | L4SULEV230 | California LEV-IV SULEV230 | |
| L2ULEV125 | California LEV-II ULEV125 | | L4SULEV25 | California LEV-IV SULEV25 | |
| L2SULEV30 | California LEV-II SULEV30 | | L4SULEV30 | California LEV-IV SULEV30 | |
| L2LEV395 | California LEV-II LEV395 | | L4SULEV75 | California LEV-IV SULEV75 | |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|-------------------------------|---|------------------------------|--|
| L2ULEV340 | California LEV-II ULEV340 | L4SULEV85 | California LEV-IV SULEV85 |
| L2LEV630 | California LEV-II LEV630 | L4ULEV125 | California LEV-IV ULEV125 |
| L2ULEV570 | California LEV-II ULEV570 | L4ULEV200 | California LEV-IV ULEV200 |
| L3LEV160 | California LEV-III LEV160 | L4ULEV250 | California LEV-IV ULEV250 |
| L3ULEV125 | California LEV-III ULEV125 | L4ULEV270 | California LEV-IV ULEV270 |
| L3ULEV70 | California LEV-III ULEV70 | L4ULEV40 | California LEV-IV ULEV40 |
| L3ULEV50 | California LEV-III ULEV50 | L4ULEV400 | California LEV-IV ULEV400 |
| L3SULEV30 | California LEV-III SULEV30 | L4ULEV50 | California LEV-IV ULEV50 |
| L3SULEV20 | California LEV-III SULEV20 | L4ULEV60 | California LEV-IV ULEV60 |
| L3LEV395 | California LEV-III LEV395 | L4ULEV70 | California LEV-IV ULEV70 |
| L3ULEV340 | California LEV-III ULEV340 | T4B170 | Federal Tier 4 MDV Bin 170 |
| L3ULEV250 | California LEV-III ULEV250 | T4B150 | Federal Tier 4 MDV Bin 150 |
| L3ULEV200 | California LEV-III ULEV200 | T4B125 | Federal Tier 4 MDV Bin 125 |
| L3SULEV170 | California LEV-III SULEV170 | T4B100 | Federal Tier 4 MDV Bin 100 |
| L3SULEV150 | California LEV-III SULEV150 | T4B85 | Federal Tier 4 MDV Bin 85 |
| L3LEV630 | California LEV-III LEV630 | T4B75 | Federal Tier 4 MDV Bin 75 |
| L3ULEV570 | California LEV-III ULEV570 | T4B70 | Federal Tier 4 Bin 70 |
| L3ULEV400 | California LEV-III ULEV400 | T4B65 | Federal Tier 4 Bin 65 |
| L3ULEV270 | California LEV-III ULEV270 | T4B60 | Federal Tier 4 Bin 60 |
| L3SULEV230 | California LEV-III SULEV230 | T4B55 | Federal Tier 4 Bin 55 |
| L3SULEV200 | California LEV-III SULEV200 | T4B50 | Federal Tier 4 Bin 50 |
| T3B160 | Federal Tier 3 Bin 160 | T4B45 | Federal Tier 4 Bin 45 |
| T3B125 | Federal Tier 3 Bin 125 | T4B40 | Federal Tier 4 Bin 40 |
| T3B110 | Federal Tier 3 Transitional Bin 110 | T4B35 | Federal Tier 4 Bin 35 |
| T3B85 | Federal Tier 3 Transitional Bin 85 | T4B30 | Federal Tier 4 Bin 30 |
| T3SULEV30 | Federal Tier 3 Transitional LEV-II SULEV30 Carryover | T4B25 | Federal Tier 4 Bin 25 |
| T3B70 | Federal Tier 3 Bin 70 | T4B20 | Federal Tier 4 Bin 20 |
| T3B50 | Federal Tier 3 Bin 50 | T4B15 | Federal Tier 4 Bin 15 |
| T3B30 | Federal Tier 3 Bin 30 | T4B10 | Federal Tier 4 Bin 10 |
| T3B20 | Federal Tier 3 Bin 20 | T4B5 | Federal Tier 4 Bin 5 |
| T3B0 | Federal Tier 3 Bin 0 | T4B0 | Federal Tier 4 Bin 0 |
| HDV2B395 | Federal Tier 3 HD Class 2b Transitional Bin 395 | | |
| Transmission Type Code | | | |
| AMS | Automated Manual- Selectable (e.g. Automated Manual with paddles) | M | Manual |
| A | Automatic | OT | Other |
| AM | Automated Manual | SA | Semi-Automatic |
| CVT | Continuously Variable | SCV | Selectable Continuously Variable (e.g. CVT with paddles) |
| Drive System Code | | | |
| 4 | 4-Wheel Drive | P | Part-time 4-Wheel Drive |

Certification Summary Information Report

| Test Group | VCRXT03.6570 | Evaporative/Refueling Family | VCRXR0140RR0 |
|--------------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| F | 2-Wheel Drive, Front | A | All Wheel Drive |
| R | 2-Wheel Drive, Rear | | |
| Additional Terms and Acronyms | | | |
| AFC | Alternative Fuel Converter | ICI | Independent Commercial Importer |
| CSI | Certificate Summary Information | ORVR | Onboard Refueling Vapor Recovery |
| DF | Deterioration Factor | SIL | Shift Indicator Light |
| Evap | Evaporation, Evaporative | Trans | Transmission |



Section 8 Emission Testing Waiver Statements and Attestations

Below is a list clearly identifying the standards applicable to this Test Group for which emission testing was not performed. All FCA US LLC applicable vehicles will conform with the emission standards which emission data is not being provided, as allowed under 40 CFR 86.1829-01 or 86.1810-01.

HCHO

For the remaining list of attestations please see:
"Common Section Book - Section 14. Request for Certification "



Section 9 OBD Description

FCA US LLC considers this information proprietary and confidential. The description contains engineering detail that would allow competitors to gain insight into FCA US LLC OBD system. The OBD system descriptions for all Test Groups are on file with the US EPA and California Air Resources Board.

OBD Agency Approvals are loaded into EV-CIS and E-FILE for each test group.

OBD Demonstration Compliance Statement: This Test Group meets the full intent of both the Clean Air Act as amended in 1990, section 202(m), and the applicable federal OBD regulations contained in 40 CFR §86.005-74 and 40 CFR §86.1806-01, including a reference to those provisions pertaining to deficiencies in the limited instances where an OBD II system that complies with 1968.2 does not comply with all the requirements of section 1968.1.



Section 10 **Description of Alternate - Fueled Vehicles**

Not Applicable to this Test Group

| EPA COMP CODE | AA-9650 | AA-9700 | AM-1000 | AM-1500 | AM-1750 | AM-2000 | AM-2500 | AM-2750 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| N50:Engine Thermostat | | | | | | | | |
| N56:EGR Valve | | | | | | | | |
| N57:EGR Cooler | | | | | | | | |
| N91:Evaporative Canister to Tank Hose | | | | | | | | |
| N94:Evaporative System Purge Solenoid to Engine Hose | | | | | | | | |
| N95:Evaporative System Purge Valve to Intake Manifold Hose | | | | | | | | |
| N97:Vapor Hose Harness | | | | | | | | |
| R13:Transmission Oil Pump (Mechanical) | | | | | | | | |
| T05:Transmission Valve Body | | | | | | | | |
| T27:Transmission Pressure Sensor | | | | | | | | |
| V01:PCV Valve | | | | | | | | |
| V05:MAP Sensor | | | | | | | | |
| V63:Evap. Can. Purge Solenoid | | | | | | | | |
| V64:Proportional Purge Solenoid (PPS) | | | | | | | | |
| V80:Active Grill Shutter Actuator | | | | | | | | |
| Z01:VECI Label | | | | | | | | |

Section11-100 Engine Parts List

FCA US LLC

Test Group :VCRXT03.6570

Durability Group: VCRXGPGNNF12 Standard Fed: Bin30+ Cal: N/A

| Trans. Code | Sales Code | Transfer Case Sales Code/Drive Code | No. of Gears | Over Drive Gear Ratio | Drive Gear Ratio | Engine Sales Code | Torque Code | Torque Size | Conv Clutch Control Type Calib/Special Features |
|-------------|------------|--|--------------|-----------------------|--|-------------------|-------------|-------------|---|
| L8 | DFT | 2R | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |
| L8 | DFT | DHY / 4F DKA / 4F | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |
| L8 | DFT | DHN / 4P DHP / 4F | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |
| L8 | DFT | DHN / 4P DHW / 4P | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |
| L8 | DFT | DHF / 4F DHN / 4P DHW / 4P | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |
| L8 | DFT | DHN / 4P | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |
| L8 | DFT | DHF / 4F DHW / 4P | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |
| M6 | DEM | DHF / 4F DHN / 4P DHP / 4F DHW / 4P | 6 | 0.720 | 5.134,2.631,1.536,1.1,0.811,0.720 | ERC | | | |
| L8 | DFT | DHY / 4F | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |
| L9 | DFH | 4F | 9 | 0.479 | 4.7,2.842,1.909,1.382,1.0,0.808,0.699,0.58,0.479 | ERC | N/A | | Electronically shifted data on file |
| L9 | DFH | 2F | 9 | 0.479 | 4.7,2.842,1.909,1.382,1.0,0.808,0.699,0.58,0.479 | ERC | N/A | | Electronically shifted data on file |
| L8 | DFT | DKA / 4F | 8 | 0.67 | 4.71,3.14,2.1,1.67,1.29,1,0.84,0.67 | ERC | N/A | | Electronically shifted data on file |

Section12-200 Transmission

FCA US LLC

VCRXT03.6570

Durability Group:
VCRXGPGNNF12

Standard Fed: Bin30+ Cal: N/A

Asterisk (*) Indicates Manufacturer has elected to certify at this higher test weight class as allowed by CFR 86.1831-01

Engine Code AA-1000

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0204RR0-24.6

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------|------------------|-----|------------------|----------------------------------|------|--------------------|---------------------|-------------|------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WDDA75 | Dodge: Durango RWD | | | L8 - RWD DFT | | 6500 | 5250 | 5500 | 3.27 | 25 | 265/60R18 TFB | TZH | C3330F | 20.60 | 15.8 | 35.30000 | 0.18190 | 0.02959 | 38.83000 | 0.20010 | 0.03255 |
| | | | | | | | 2530 | 3046 | 3.27 | 25 | 265/50R20 TKJ | TZB | 094Q | 19.51 | 16.7 | 40.81000 | 0.19350 | 0.02979 | 44.89000 | 0.21280 | 0.03277 |
| | | | | | | | 4899 | 5699 | 3.27 | 24.6 | 265/50R20 TKY | TZP | 30323-05 | 19.13 | 17.0 | 42.71000 | 0.22120 | 0.02945 | 46.99000 | 0.24330 | 0.03240 |

Engine Code AA-1250

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0204RR0-24.6

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------|------------------|-----|------------------------------|----------------------------------|------|--------------------|---------------------|-------------|------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WDEA75 | Dodge: Durango AWD | | | L8 - AWD DFT / DHY-4F DKA-4F | | 6500 | 5250 | 6000 | 3.45 | 26.4 | 265/60R18 TFB | TZH | C3330F | 19.20 | 16.9 | 34.90000 | 0.37410 | 0.02936 | 38.39000 | 0.41150 | 0.03230 |
| | | | | | | | 2567 | 3078 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.24 | 17.8 | 40.41000 | 0.38570 | 0.02956 | 44.45000 | 0.42430 | 0.03252 |
| | | | | | | | 5052 | 5776 | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.91 | 18.1 | 42.31000 | 0.41340 | 0.02922 | 46.55000 | 0.45480 | 0.03214 |

Engine Code AA-1500

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0204RR0-24.6

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------|------------------|-----|------------------|----------------------------------|------|--------------------|---------------------|-------------|------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WDDA75 | Dodge: Durango RWD | | | L8 - RWD DFT | | 6500 | 5250 | 5500 | 3.27 | 25 | 265/60R18 TFB | TZH | C3330F | 20.60 | 15.8 | 35.30000 | 0.18190 | 0.02959 | 38.83000 | 0.20010 | 0.03255 |
| | | | | | | | 2530 | 3046 | 3.27 | 25 | 265/50R20 TKJ | TZB | 094Q | 19.51 | 16.7 | 40.81000 | 0.19350 | 0.02979 | 44.89000 | 0.21280 | 0.03277 |
| | | | | | | | 4899 | 5699 | 3.27 | 24.6 | 265/50R20 TKY | TZP | 30323-05 | 19.13 | 17.0 | 42.71000 | 0.22120 | 0.02945 | 46.99000 | 0.24330 | 0.03240 |

Engine Code AA-1750

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0204RR0-24.6

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------|------------------|-----|------------------------------|----------------------------------|------|--------------------|---------------------|-------------|------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WDEA75 | Dodge: Durango AWD | | | L8 - AWD DFT / DHY-4F DKA-4F | | 6500 | 5250 | 6000 | 3.45 | 26.4 | 265/60R18 TFB | TZH | C3330F | 19.20 | 16.9 | 34.90000 | 0.37410 | 0.02936 | 38.39000 | 0.41150 | 0.03230 |
| | | | | | | | 2567 | 3078 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.24 | 17.8 | 40.41000 | 0.38570 | 0.02956 | 44.45000 | 0.42430 | 0.03252 |
| | | | | | | | 5052 | 5776 | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.91 | 18.1 | 42.31000 | 0.41340 | 0.02922 | 46.55000 | 0.45480 | 0.03214 |

Engine Code AA-2000

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0172PR0-21.5

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | L/VW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|------------------------------|----------------------------------|------|----------------------|---------------------|-------------|------|-----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| JLJA74 | Jeep: Wrangler 4dr 4X4 | | | L8 - 4WD DFT / DHN-4P DHP-4F | | 5500 | 4750 1983 4424 | | 3.45 | 25.5 | 245/75R17 TJK | TZN | SJJLA3C | 15.92 | 18.5 | 38.44000 | 0.23360 | 0.03539 | 42.28000 | 0.25700 | 0.03893 |
| | | | | | | | | | 3.45 | 25 | 255/70R18 TDA | TZB | EN268Q-A | 15.68 | 18.8 | 39.01000 | 0.25670 | 0.03556 | 42.91000 | 0.28240 | 0.03912 |
| | | | | | | | | | 3.45 | 25.7 | 245/75R17 TP3 | TZN | SJJLB3D | 14.94 | 19.7 | 46.40000 | 0.24260 | 0.03562 | 51.04000 | 0.26690 | 0.03918 |
| | | | | | | | | | 3.45 | 24.8 | 255/70R18 TY5 | TZA | 23X700-3B | 14.39 | 20.4 | 40.99000 | 0.45510 | 3.58359 | 45.09000 | 0.50060 | 3.94195 |
| | | | | | | | | | 3.45 | 24 | LT285/70R17 TWG | TZJ | A15 | 13.29 | 22.1 | 59.87000 | 0.27410 | 0.03692 | 65.86000 | 0.30150 | 0.04061 |
| | | | | | | | | | 3.45 | 24.5 | LT285/70R17 TXA | TZG | X7633E | 12.97 | 22.7 | 55.19000 | 0.17030 | 0.04256 | 60.71000 | 0.18730 | 0.04682 |
| | | | | | | | | | 3.45 | 23.3 | LT315/70R17 TVC | TZG | C4359A | 12.83 | 22.9 | 57.11000 | 0.10520 | 0.04380 | 62.82000 | 0.11580 | 0.04817 |

Engine Code AA-2250

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0172PR0-21.5

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | L/VW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|------------------------------|----------------------------------|------|----------------------|---------------------|-------------|------|-----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| JLJA74 | Jeep: Wrangler 4dr 4X4 | | | L8 - 4WD DFT / DHN-4P DHW-4P | | 5500 | 4750 1983 4424 | | 4.10 | 30.4 | 245/75R17 TJK | TZN | SJJLA3C | 15.92 | 18.5 | 38.44000 | 0.23360 | 0.03539 | 42.28000 | 0.25700 | 0.03893 |
| | | | | | | | | | 4.10 | 29.7 | 255/70R18 TDA | TZB | EN268Q-A | 15.68 | 18.8 | 39.01000 | 0.25670 | 0.03556 | 42.91000 | 0.28240 | 0.03912 |
| | | | | | | | | | 4.10 | 30.6 | 245/75R17 TP3 | TZN | SJJLB3D | 14.94 | 19.7 | 46.40000 | 0.24260 | 0.03562 | 51.04000 | 0.26690 | 0.03918 |
| | | | | | | | | | 4.10 | 29.5 | 255/70R18 TY5 | TZA | 23X700-3B | 14.39 | 20.4 | 40.99000 | 0.45510 | 3.58359 | 45.09000 | 0.50060 | 3.94195 |
| | | | | | | | | | 4.10 | 28.5 | LT285/70R17 TWG | TZJ | A15 | 13.29 | 22.1 | 59.87000 | 0.27410 | 0.03692 | 65.86000 | 0.30150 | 0.04061 |
| | | | | | | | | | 4.10 | 29.1 | LT285/70R17 TXA | TZG | X7633E | 12.97 | 22.7 | 55.19000 | 0.17030 | 0.04256 | 60.71000 | 0.18730 | 0.04682 |
| | | | | | | | | | 4.10 | 27.7 | LT315/70R17 TVC | TZG | C4359A | 12.83 | 22.9 | 57.11000 | 0.10520 | 0.04380 | 62.82000 | 0.11580 | 0.04817 |

Engine Code AA-2500

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0172PR0-21.5

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | L/VW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|-------------------------------------|----------------------------------|------|----------------------|---------------------|-------------|------|-----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| JLJA74 | Jeep: Wrangler 4dr 4X4 | | | L8 - 4WD DFT / DHF-4F DHN-4P DHW-4P | | 5500 | 4750 1983 4424 | | 4.56 | 33.8 | 245/75R17 TJK | TZN | SJJLA3C | 15.92 | 18.5 | 38.44000 | 0.23360 | 0.03539 | 42.28000 | 0.25700 | 0.03893 |
| | | | | | | | | | 4.56 | 33 | 255/70R18 TDA | TZB | EN268Q-A | 15.68 | 18.8 | 39.01000 | 0.25670 | 0.03556 | 42.91000 | 0.28240 | 0.03912 |
| | | | | | | | | | 4.56 | 34 | 245/75R17 TP3 | TZN | SJJLB3D | 14.94 | 19.7 | 46.40000 | 0.24260 | 0.03562 | 51.04000 | 0.26690 | 0.03918 |
| | | | | | | | | | 4.56 | 32.8 | 255/70R18 TY5 | TZA | 23X700-3B | 14.39 | 20.4 | 40.99000 | 0.45510 | 3.58359 | 45.09000 | 0.50060 | 3.94195 |
| | | | | | | | | | 4.56 | 31.7 | LT285/70R17 TWG | TZJ | A15 | 13.29 | 22.1 | 59.87000 | 0.27410 | 0.03692 | 65.86000 | 0.30150 | 0.04061 |
| | | | | | | | | | 4.56 | 32.4 | LT285/70R17 TXA | TZG | X7633E | 12.97 | 22.7 | 55.19000 | 0.17030 | 0.04256 | 60.71000 | 0.18730 | 0.04682 |
| | | | | | | | | | 4.56 | 30.8 | LT315/70R17 TVC | TZG | C4359A | 12.83 | 22.9 | 57.11000 | 0.10520 | 0.04380 | 62.82000 | 0.11580 | 0.04817 |

Engine Code AA-2750

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0172PR0-21.5

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | L/VW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|-------------------------------------|----------------------------------|------|----------------------|---------------------|-------------|------|-----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| JLJA74 | Jeep: Wrangler 4dr 4X4 | | | L8 - AWD DFT / DHF-4F DHN-4P DHW-4P | | 5500 | 4750 1983 4424 | | 4.88 | 34.7 | LT285/70R17 TXA | TZG | X7633E | 12.05 | 24.4 | 64.12000 | -0.1518 | 0.05060 | 70.53000 | -0.1670 | 0.05566 |
| | | | | | | | | | 4.88 | 32.9 | LT315/70R17 TVC | TZG | C4359A | 11.94 | 24.6 | 65.66000 | -0.1869 | 0.05135 | 72.23000 | -0.2056 | 0.05648 |

Engine Code AA-3000

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0172PR0-21.5

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|-----------------------|----------------------------------|------|----------------------|---------------------|--|--|---|---|--|---|--|--|---|---|--|---|---|
| JLJA74 | Jeep: Wrangler 4dr 4X4 | | | L8 - AWD DFT / DHN-4P | | 5500 | 4750 1983 4424 | | 3.73 3.73 3.73 3.73 3.73 3.73 | 27.6 27 27.8 26.8 25.9 26.5 25.2 | 245/75R17 TJK 255/70R18 TDA 245/75R17 TP3 255/70R18 TY5 LT285/70R17 TWG LT285/70R17 TXA LT315/70R17 TVC | TZN TZB TZN TZA TZJ TZG TZG | SJJLA3C EN268Q-A SJJLB3D 23X700-3B A15 X7633E C4359A | 15.92 15.68 14.94 14.39 13.29 12.97 12.83 | 18.5 18.8 19.7 20.4 22.1 22.7 22.9 | 38.44000 39.01000 46.40000 40.99000 59.87000 55.19000 57.11000 | 0.23360 0.25670 0.24260 0.45510 0.27410 0.17030 0.10520 | 0.03539 0.03556 0.03562 3.58359 0.04692 0.04256 0.04380 | 42.28000 42.91000 51.04000 45.09000 65.86000 60.71000 62.82000 | 0.25700 0.28240 0.26690 0.50060 0.30150 0.18730 0.11580 | 0.03893 0.03912 0.03918 3.94195 0.04061 0.04682 0.04817 |

Engine Code AA-4000 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0166RR1-22.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|---------------------|------------------|-----|------------------------------|----------------------------------|------|----------------------|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| JTJA98 | Jeep: Gladiator 4X4 | | | L8 - 4WD DFT / DHF-4F DHW-4P | | 6500 | 5000 2192 4797 | 5500 2879 5648 | 4.10 4.10 4.10 4.10 4.10 4.10 | 29.1 27.7 29.9 28.5 28.6 30.4 | LT285/70R17 TXA LT315/70R17 TVC LT255/75R17 TTP LT285/70R17 TWG LT285/70R17 TW2 LT255/75R17 TTK | TZG TZG TZB TZJ TZJ TZG | X7633E C4359A 32302I M12 A15 C7159C | 13.84 13.50 13.10 12.97 12.90 12.67 | 22.4 22.9 23.6 23.9 24.0 24.4 | 58.16000 59.80000 62.21000 64.52000 65.42000 57.07000 | -0.1967 -0.2337 -0.0311 -0.0382 -0.0405 0.45620 | 0.04777 0.04956 0.04655 0.04653 0.04660 0.04133 | 63.98000 65.78000 68.43000 70.97000 71.96000 62.78000 | -0.2164 -0.2571 -0.0342 -0.0420 -0.0446 0.50180 | 0.05255 0.05452 0.05132 0.05118 0.05126 0.04546 |

Engine Code AA-4250 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0166RR1-22.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|---------------------|------------------|-----|------------------------------|----------------------------------|------|----------------------|----------------------|--|--|--|--|---|---|--|--|--|---|--|---|---|
| JTJA98 | Jeep: Gladiator 4X4 | | | L8 - 4WD DFT / DHN-4P DHP-4F | | 6500 | 5000 2192 4797 | 5500 2879 5648 | 4.10 4.10 4.10 4.10 4.10 4.10 4.10 4.10 4.10 4.10 4.10 4.10 | 30.4 29.5 30 29.8 30.4 29.6 30.1 29.1 27.7 29.9 28.5 28.6 30.4 | P245/75R17 TQK 255/70R18 TY5 255/70R18 TPQ P255/70R18 TDA P245/75R17 TTH 275/55R20 TTJ 275/55R20 TTQ LT285/70R17 TXA LT315/70R17 TVC LT255/75R17 TTP LT285/70R17 TWG LT285/70R17 TW2 LT255/75R17 TTK | TZB TZA TZE TZB TZB TZA TZE TZG TZG TZB TZG TZJ TZJ TZG | ER693X-I 23X700-3B ET461640 EN268Q-A EU275-I 23X701-1G ET460921 X7633E C4359A 32302I M12 A15 C7159C | 16.03 15.55 15.55 15.46 15.08 14.97 14.97 13.84 13.50 13.10 12.97 12.90 12.67 | 19.3 19.9 19.9 20.0 20.5 20.7 20.7 22.4 22.9 23.6 23.9 24.0 24.4 | 43.77000 48.16000 48.16000 46.36000 53.92000 53.82000 53.82000 58.16000 59.80000 62.21000 62.21000 64.52000 65.42000 57.07000 | 0.12680 0.11770 0.11770 0.11430 0.12900 0.13870 0.13870 -0.1967 -0.2337 0.04956 -0.0311 -0.0382 -0.0405 0.45620 | 0.03790 0.03809 0.03809 0.03925 0.03743 0.03773 0.03773 0.04777 0.04956 0.04653 0.04653 0.04660 0.04133 | 48.15000 52.98000 52.98000 51.00000 59.31000 59.20000 59.20000 63.98000 65.78000 68.43000 70.97000 71.96000 62.78000 | 0.13950 0.12950 0.12950 0.12570 0.14190 0.15260 0.15260 -0.2164 -0.2571 -0.0342 -0.0420 -0.0446 0.50180 | 0.04169 0.04190 0.04190 0.04318 0.04117 0.04150 0.04150 0.05255 0.05452 0.05132 0.05118 0.05126 0.04546 |

Engine Code AA-4500 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0166PR0-22.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|---------------------|------------------|-----|------------------------------|----------------------------------|------|----------------------|---------------------|--|--|--|---|---|---|--|--|---|---|--|---|---|
| JTJA98 | Jeep: Gladiator 4X4 | | | L8 - 4WD DFT / DHN-4P DHP-4F | | 5800 | 5000 2186 4750 | | 3.73 3.73 3.73 3.73 3.73 3.73 | 27.6 26.8 27.3 27.1 27.9 26.9 27.4 | P245/75R17 TQK 255/70R18 TY5 255/70R18 TPQ P255/70R18 TDA P245/75R17 TTH 275/55R20 TTJ 275/55R20 TTQ | TZB TZA TZE TZB TZB TZA TZE | ER693X-I 23X700-3B ET461640 EN268Q-A EU275-I 23X701-1G ET460921 | 16.03 15.55 15.55 15.46 15.08 14.97 14.97 | 19.3 19.9 19.9 20.0 20.5 20.7 20.7 | 43.77000 48.16000 48.16000 46.36000 53.92000 53.82000 53.82000 | 0.12680 0.11770 0.11770 0.11430 0.12900 0.13870 0.13870 | 0.03790 0.03809 0.03809 0.03925 0.03743 0.03773 0.03773 | 48.15000 52.98000 52.98000 51.00000 59.31000 59.20000 59.20000 | 0.13950 0.12950 0.12950 0.12570 0.14190 0.15260 0.15260 | 0.04169 0.04190 0.04190 0.04318 0.04117 0.04150 0.04150 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|------|------|-----------------|-----|--------|-------|------|----------|---------|---------|----------|---------|---------|
| | | | | | | | | | | | 3.73 | 26.5 | LT285/70R17 TXA | TZG | X7633E | 13.84 | 22.4 | 58.16000 | -0.1967 | 0.04777 | 63.98000 | -0.2164 | 0.05255 |
| | | | | | | | | | | | 3.73 | 25.2 | LT315/70R17 TVC | TZG | C4359A | 13.50 | 22.9 | 59.80000 | -0.2337 | 0.04956 | 65.78000 | -0.2571 | 0.05452 |
| | | | | | | | | | | | 3.73 | 27.2 | LT255/75R17 TTP | TZB | 32302I | 13.10 | 23.6 | 62.21000 | -0.0311 | 0.04665 | 68.43000 | -0.0342 | 0.05132 |
| | | | | | | | | | | | 3.73 | 25.9 | LT285/70R17 TWG | TZJ | M12 | 12.97 | 23.9 | 64.52000 | -0.0382 | 0.04653 | 70.97000 | -0.0420 | 0.05118 |
| | | | | | | | | | | | 3.73 | 26 | LT285/70R17 TW2 | TZJ | A15 | 12.90 | 24.0 | 65.42000 | -0.0405 | 0.04660 | 71.96000 | -0.0446 | 0.05126 |
| | | | | | | | | | | | 3.73 | 27.6 | LT255/75R17 TTK | TZG | C7159C | 12.67 | 24.4 | 57.07000 | 0.45620 | 0.04133 | 62.78000 | 0.50180 | 0.04546 |

Engine Code AA-4750 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0166PR0-22.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | L/VW TWC Drive Curb | AL/VW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|---------------------|------------------|-----|------------------------------|----------------------------------|------|---------------------|----------------------|-------------|------|-----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| JTJA98 | Jeep: Gladiator 4X4 | | | L8 - 4WD DFT / DHN-4P DHP-4F | | 5800 | 5000 | | 3.73 | 27.6 | P245/75R17 TQK | TZB | ER693X-I | 16.03 | 19.3 | 43.77000 | 0.12680 | 0.03790 | 48.15000 | 0.13950 | 0.04169 |
| | | | | | | | 2186 | | 3.73 | 26.8 | 255/70R18 TY5 | TZA | 23X700-3B | 15.55 | 19.9 | 48.16000 | 0.11770 | 0.03809 | 52.98000 | 0.12950 | 0.04190 |
| | | | | | | | 4750 | | 3.73 | 27.3 | 255/70R18 TPQ | TZE | ET461640 | 15.55 | 19.9 | 48.16000 | 0.11770 | 0.03809 | 52.98000 | 0.12950 | 0.04190 |
| | | | | | | | | | 3.73 | 27.1 | P255/70R18 TDA | TZB | EN268Q-A | 15.46 | 20.0 | 46.36000 | 0.11430 | 0.03925 | 51.00000 | 0.12570 | 0.04318 |
| | | | | | | | | | 3.73 | 27.7 | P245/75R17 TTH | TZB | EU275-I | 15.08 | 20.5 | 53.92000 | 0.12900 | 0.03743 | 59.31000 | 0.14190 | 0.04117 |
| | | | | | | | | | 3.73 | 26.9 | 275/55R20 TTJ | TZA | 23X701-1G | 14.97 | 20.7 | 53.82000 | 0.13870 | 0.03773 | 59.20000 | 0.15260 | 0.04150 |
| | | | | | | | | | 3.73 | 27.4 | 275/55R20 TTQ | TZE | ET460921 | 14.97 | 20.7 | 53.82000 | 0.13870 | 0.03773 | 59.20000 | 0.15260 | 0.04150 |
| | | | | | | | | | 3.73 | 26.5 | LT285/70R17 TXA | TZG | X7633E | 13.84 | 22.4 | 58.16000 | -0.1967 | 0.04777 | 63.98000 | -0.2164 | 0.05255 |
| | | | | | | | | | 3.73 | 25.2 | LT315/70R17 TVC | TZG | C4359A | 13.50 | 22.9 | 59.80000 | -0.2337 | 0.04956 | 65.78000 | -0.2571 | 0.05452 |
| | | | | | | | | | 3.73 | 27.2 | LT255/75R17 TTP | TZB | 32302I | 13.10 | 23.6 | 62.21000 | -0.0311 | 0.04665 | 68.43000 | -0.0342 | 0.05132 |
| | | | | | | | | | 3.73 | 25.9 | LT285/70R17 TWG | TZJ | M12 | 12.97 | 23.9 | 64.52000 | -0.0382 | 0.04653 | 70.97000 | -0.0420 | 0.05118 |
| | | | | | | | | | 3.73 | 26 | LT285/70R17 TW2 | TZJ | A15 | 12.90 | 24.0 | 65.42000 | -0.0405 | 0.04660 | 71.96000 | -0.0446 | 0.05126 |
| | | | | | | | | | 3.73 | 27.6 | LT255/75R17 TTK | TZG | C7159C | 12.67 | 24.4 | 57.07000 | 0.45620 | 0.04133 | 62.78000 | 0.50180 | 0.04546 |

Engine Code AA-5000 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0166RR1-22.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | L/VW TWC Drive Curb | AL/VW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|---------------------|------------------|-----|------------------------------|----------------------------------|------|---------------------|----------------------|-------------|------|-----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| JTJA98 | Jeep: Gladiator 4X4 | | | L8 - 4WD DFT / DHN-4P DHP-4F | | 6500 | 5000 | 5500 | 4.10 | 30.4 | P245/75R17 TQK | TZB | ER693X-I | 16.03 | 19.3 | 43.77000 | 0.12680 | 0.03790 | 48.15000 | 0.13950 | 0.04169 |
| | | | | | | | 2192 | 2879 | 4.10 | 29.5 | 255/70R18 TY5 | TZA | 23X700-3B | 15.55 | 19.9 | 48.16000 | 0.11770 | 0.03809 | 52.98000 | 0.12950 | 0.04190 |
| | | | | | | | 4797 | 5648 | 4.10 | 30 | 255/70R18 TPQ | TZE | ET461640 | 15.55 | 19.9 | 48.16000 | 0.11770 | 0.03809 | 52.98000 | 0.12950 | 0.04190 |
| | | | | | | | | | 4.10 | 29.8 | P255/70R18 TDA | TZB | EN268Q-A | 15.46 | 20.0 | 46.36000 | 0.11430 | 0.03925 | 51.00000 | 0.12570 | 0.04318 |
| | | | | | | | | | 4.10 | 30.4 | P245/75R17 TTH | TZB | EU275-I | 15.08 | 20.5 | 53.92000 | 0.12900 | 0.03743 | 59.31000 | 0.14190 | 0.04117 |
| | | | | | | | | | 4.10 | 29.6 | 275/55R20 TTJ | TZA | 23X701-1G | 14.97 | 20.7 | 53.82000 | 0.13870 | 0.03773 | 59.20000 | 0.15260 | 0.04150 |
| | | | | | | | | | 4.10 | 30.1 | 275/55R20 TTQ | TZE | ET460921 | 14.97 | 20.7 | 53.82000 | 0.13870 | 0.03773 | 59.20000 | 0.15260 | 0.04150 |
| | | | | | | | | | 4.10 | 29.1 | LT285/70R17 TXA | TZG | X7633E | 13.84 | 22.4 | 58.16000 | -0.1967 | 0.04777 | 63.98000 | -0.2164 | 0.05255 |
| | | | | | | | | | 4.10 | 27.7 | LT315/70R17 TVC | TZG | C4359A | 13.50 | 22.9 | 59.80000 | -0.2337 | 0.04956 | 65.78000 | -0.2571 | 0.05452 |
| | | | | | | | | | 4.10 | 29.9 | LT255/75R17 TTP | TZB | 32302I | 13.10 | 23.6 | 62.21000 | -0.0311 | 0.04665 | 68.43000 | -0.0342 | 0.05132 |
| | | | | | | | | | 4.10 | 28.5 | LT285/70R17 TWG | TZJ | M12 | 12.97 | 23.9 | 64.52000 | -0.0382 | 0.04653 | 70.97000 | -0.0420 | 0.05118 |
| | | | | | | | | | 4.10 | 28.6 | LT285/70R17 TW2 | TZJ | A15 | 12.90 | 24.0 | 65.42000 | -0.0405 | 0.04660 | 71.96000 | -0.0446 | 0.05126 |
| | | | | | | | | | 4.10 | 30.4 | LT255/75R17 TTK | TZG | C7159C | 12.67 | 24.4 | 57.07000 | 0.45620 | 0.04133 | 62.78000 | 0.50180 | 0.04546 |

Engine Code AA-5250 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0166RR1-22.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | L/VW TWC Drive Curb | AL/VW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|---------------------|------------------|-----|------------------------------|----------------------------------|------|---------------------|----------------------|-------------|------|-----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| JTJA98 | Jeep: Gladiator 4X4 | | | L8 - 4WD DFT / DHN-4P DHP-4F | | 6500 | 5000 | 5500 | 4.10 | 30.4 | P245/75R17 TQK | TZB | ER693X-I | 16.03 | 19.3 | 43.77000 | 0.12680 | 0.03790 | 48.15000 | 0.13950 | 0.04169 |
| | | | | | | | 2192 | 2879 | 4.10 | 29.5 | 255/70R18 TY5 | TZA | 23X700-3B | 15.55 | 19.9 | 48.16000 | 0.11770 | 0.03809 | 52.98000 | 0.12950 | 0.04190 |
| | | | | | | | 4797 | 5648 | 4.10 | 30 | 255/70R18 TPQ | TZE | ET461640 | 15.55 | 19.9 | 48.16000 | 0.11770 | 0.03809 | 52.98000 | 0.12950 | 0.04190 |
| | | | | | | | | | 4.10 | 29.8 | P255/70R18 TDA | TZB | EN268Q-A | 15.46 | 20.0 | 46.36000 | 0.11430 | 0.03925 | 51.00000 | 0.12570 | 0.04318 |
| | | | | | | | | | 4.10 | 30.4 | P245/75R17 TTH | TZB | EU275-I | 15.08 | 20.5 | 53.92000 | 0.12900 | 0.03743 | 59.31000 | 0.14190 | 0.04117 |
| | | | | | | | | | 4.10 | 29.6 | 275/55R20 TTJ | TZA | 23X701-1G | 14.97 | 20.7 | 53.82000 | 0.13870 | 0.03773 | 59.20000 | 0.15260 | 0.04150 |
| | | | | | | | | | 4.10 | 30.1 | 275/55R20 TTQ | TZE | ET460921 | 14.97 | 20.7 | 53.82000 | 0.13870 | 0.03773 | 59.20000 | 0.15260 | 0.04150 |
| | | | | | | | | | 4.10 | 29.1 | LT285/70R17 TXA | TZG | X7633E | 13.84 | 22.4 | 58.16000 | -0.1967 | 0.04777 | 63.98000 | -0.2164 | 0.05255 |

Engine Code AA-7250

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0140RR0-19.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | L VW TWC Drive Curb | AL VW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|------------------|----------------------------------|------|----------------------|----------------------|--------------|------------|--------------------------------|------------|--------------------|----------------|----------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|
| RUFA53 | Chrysler: Pacifica AWD | | | L9 - AWD DFH | | 6300 | 5250 2121 4901 | 5500 2545 5600 | 1.56 1.56 | 8.6 8.7 | 245/60R18 TJK 245/50R20 TP3 | TZP TZP | 20S0889 20S0802 | 21.33 20.65 | 15.2 15.7 | 38.50000 38.86000 | 0.29180 0.30080 | 0.02446 0.02565 | 42.35000 42.75000 | 0.32100 0.33090 | 0.02691 0.02822 |
| RUFA53 | Chrysler: Pacifica AWD | | | L9 - AWD DFH | | 6300 | 5250 2137 4909 | 5500 2566 5605 | 1.56 1.56 | 8.6 8.7 | 245/60R18 TJK 245/50R20 TP3 | TZP TZP | 20S0889 20S0802 | 21.33 20.65 | 15.2 15.7 | 38.50000 38.86000 | 0.29180 0.30080 | 0.02446 0.02565 | 42.35000 42.75000 | 0.32100 0.33090 | 0.02691 0.02822 |
| RUFA53 | Chrysler: Pacifica AWD | | | L9 - AWD DFH | | 6300 | 5250 2121 4901 | 5500 2545 5600 | 1.56 1.56 | 8.6 8.7 | 245/60R18 TJK 245/50R20 TP3 | TZP TZP | 20S0889 20S0802 | 21.33 20.65 | 15.2 15.7 | 38.50000 38.86000 | 0.29180 0.30080 | 0.02446 0.02565 | 42.35000 42.75000 | 0.32100 0.33090 | 0.02691 0.02822 |

Engine Code AA-7500

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0140RR0-19.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | L VW TWC Drive Curb | AL VW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|-------------------------|------------------|-----|------------------|----------------------------------|------|----------------------|----------------------|--------------|----------|--------------------------------|------------|------------------|----------------|----------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|
| RUCA53 | Chrysler: Pacifica | | | L9 - FWD DFH | | 6055 | 4750 1890 4428 | 5250 2372 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |
| RUCA53 | Chrysler: Voyager | MSL | | L9 - FWD DFH | | 6055 | 4750 1894 4426 | 5250 2383 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |
| RUCA53 | Chrysler: Grand Caravan | MSR | | L9 - FWD DFH | | 6055 | 4750 1890 4428 | 5250 2372 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |

Engine Code AA-7750

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0140RR0-19.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | L VW TWC Drive Curb | AL VW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|-------------------------|------------------|-----|------------------|----------------------------------|------|----------------------|----------------------|--------------|----------|--------------------------------|------------|------------------|----------------|----------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|
| RUCA53 | Chrysler: Pacifica | | | L9 - FWD DFH | | 6055 | 4750 1890 4428 | 5250 2372 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |
| RUCA53 | Chrysler: Voyager | MSL | | L9 - FWD DFH | | 6055 | 4750 1894 4426 | 5250 2383 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |
| RUCA53 | Chrysler: Grand Caravan | MSR | | L9 - FWD DFH | | 6055 | 4750 1890 4428 | 5250 2372 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |

Engine Code AA-8000

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0140RR0-19.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | L VW TWC Drive Curb | AL VW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|-------|--------------|------------------|-----|------------------|----------------------------------|-----|---------------------|----------------------|-------------|-----|------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
|-------|--------------|------------------|-----|------------------|----------------------------------|-----|---------------------|----------------------|-------------|-----|------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|

| | | | | | | | | | | | | | | | | | | | | | |
|--------|-------------------------------|-----|--|-----------------|--|------|----------------------|----------------------|--------------|----------|--------------------------------|------------|------------------|----------------|--------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|
| RUCA53 | Chrysler: Pacifica | | | L9 - FWD DFH | | 6055 | 4750 1890 4428 | 5250 2372 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |
| RUCA53 | Chrysler: Voyager | MSL | | L9 - FWD DFH | | 6055 | 4750 1894 4426 | 5250 2383 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |
| RUCA53 | Chrysler: Grand Caravan | MSR | | L9 - FWD DFH | | 6055 | 4750 1890 4428 | 5250 2372 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |

Engine Code AA-8250 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0140RR0-19.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|-------------------------------|------------------|-----|-------------------|----------------------------------|------|----------------------|----------------------|--------------|----------|--------------------------------|------------|------------------|----------------|----------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|
| RUCA53 | Chrysler: Pacifica | | | L9 - FWD DFH | | 6055 | 4750 1890 4428 | 5250 2372 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |
| RUCA53 | Chrysler: Voyager | MSL | | L9 - FWD DFH | | 6055 | 4750 1894 4426 | 5250 2383 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |
| RUCA53 | Chrysler: Grand Caravan | MSR | | L9 - FWD DFH | | 6055 | 4750 1890 4428 | 5250 2372 5241 | 1.56 1.56 | 9 8.7 | 235/65R17 TMK 245/50R20 TP3 | TZY TZP | 3249B 20S0802 | 22.14 20.88 | 13.3 14.1 | 27.15000 33.44000 | 0.27780 0.26740 | 0.02345 0.02351 | 29.86000 36.78000 | 0.30560 0.29410 | 0.02580 0.02586 |

Engine Code AA-9000 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|----------------------------------|------------------|-----|-------------------|----------------------------------|------|----------------------|----------------------|----------------------|----------------------|---|-------------------|--------------------------|-------------------------|----------------------|----------------------------------|-------------------------------|-------------------------------|----------------------------------|-------------------------------|-------------------------------|
| WLTA75 | Jeep: Grand Cherokee L 4X2 | | | L8 - RWD DFT | | 6500 | 5000 2283 4579 | 5500 2864 5539 | 3.45 3.45 3.45 | 26.4 26.4 26.4 | 265/60R18 TFB 265/50R20 TLP 265/50R20 TKJ | TZH TZB TZB | X7081A 287991 094Q | 19.69 19.60 19.30 | 15.7 15.8 16.0 | 36.39000 37.38000 38.38000 | 0.15360 0.13340 0.15410 | 0.02955 0.02976 0.02969 | 40.03000 41.12000 42.22000 | 0.16900 0.14670 0.16950 | 0.03250 0.03274 0.03266 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.87 | 16.4 | 42.34000 | 0.14760 | 0.02930 | 46.57000 | 0.16240 | 0.03223 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.64 | 16.6 | 44.04000 | 0.14670 | 0.02924 | 48.44000 | 0.16130 | 0.03216 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.61 | 16.6 | 40.87000 | 0.19380 | 0.02968 | 44.96000 | 0.21320 | 0.03265 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 18.47 | 16.8 | 42.78000 | 0.19300 | 0.02929 | 47.06000 | 0.21230 | 0.03222 |

Engine Code AA-9050 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|----------------------------------|------------------|-----|-------------------|----------------------------------|------|----------------------|----------------------|----------------------|----------------------|---|-------------------|--------------------------|-------------------------|----------------------|----------------------------------|-------------------------------|-------------------------------|----------------------------------|-------------------------------|-------------------------------|
| WLTA75 | Jeep: Grand Cherokee L 4X2 | | | L8 - RWD DFT | | 6500 | 5000 2283 4579 | 5500 2864 5539 | 3.45 3.45 3.45 | 26.4 26.4 26.4 | 265/60R18 TFB 265/50R20 TLP 265/50R20 TKJ | TZH TZB TZB | X7081A 287991 094Q | 19.69 19.60 19.30 | 15.7 15.8 16.0 | 36.39000 37.38000 38.38000 | 0.15360 0.13340 0.15410 | 0.02955 0.02976 0.02969 | 40.03000 41.12000 42.22000 | 0.16900 0.14670 0.16950 | 0.03250 0.03274 0.03266 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.87 | 16.4 | 42.34000 | 0.14760 | 0.02930 | 46.57000 | 0.16240 | 0.03223 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.64 | 16.6 | 44.04000 | 0.14670 | 0.02924 | 48.44000 | 0.16130 | 0.03216 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.61 | 16.6 | 40.87000 | 0.19380 | 0.02968 | 44.96000 | 0.21320 | 0.03265 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 18.47 | 16.8 | 42.78000 | 0.19300 | 0.02929 | 47.06000 | 0.21230 | 0.03222 |

Engine Code AA-9100 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C | | | | | | | | |
|--------|----------------------------|------------------|-----|-----------------------|----------------------------------|------|--------------------|---------------------|-------------|------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|--|--|--|
| WLJA75 | Jeep: Grand Cherokee L 4X4 | | | L8 - AWD DFT / DKA-4F | | 6500 | 5000 | 5500 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 19.17 | 16.1 | 40.87000 | 0.12350 | 0.02961 | 44.96000 | 0.13580 | 0.03257 | | | | | | | | |
| | | | | | | | 2257 | 2837 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 28799I | 19.05 | 16.2 | 42.06000 | 0.10400 | 0.02983 | 46.27000 | 0.11440 | 0.03281 | | | | | | | | |
| | | | | | | | 4699 | 5599 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.77 | 16.5 | 43.04000 | 0.12430 | 0.02976 | 47.34000 | 0.13670 | 0.03274 | | | | | | | | |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.27 | 16.9 | 44.22000 | 0.17040 | 0.02971 | 48.64000 | 0.18740 | 0.03268 | | | | | | | | |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.15 | 17.0 | 45.34000 | 0.16380 | 2.97359 | 49.87000 | 0.18020 | 3.27095 | | | | | | | | |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.12 | 17.1 | 48.98000 | 0.11640 | 0.02928 | 53.88000 | 0.12800 | 0.03221 | | | | | | | | |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.97 | 17.2 | 47.57000 | 0.16490 | 0.02933 | 52.33000 | 0.18140 | 0.03226 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Engine Code AA-9150 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C | | | | | | | | |
|--------|----------------------------|------------------|-----|-----------------------|----------------------------------|------|--------------------|---------------------|-------------|------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|--|--|--|
| WLJA75 | Jeep: Grand Cherokee L 4X4 | | | L8 - AWD DFT / DHY-4F | | 6500 | 5000 | 5500 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 19.17 | 16.1 | 40.87000 | 0.12350 | 0.02961 | 44.96000 | 0.13580 | 0.03257 | | | | | | | | |
| | | | | | | | 2257 | 2837 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 28799I | 19.05 | 16.2 | 42.06000 | 0.10400 | 0.02983 | 46.27000 | 0.11440 | 0.03281 | | | | | | | | |
| | | | | | | | 4699 | 5599 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.77 | 16.5 | 43.04000 | 0.12430 | 0.02976 | 47.34000 | 0.13670 | 0.03274 | | | | | | | | |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.27 | 16.9 | 44.22000 | 0.17040 | 0.02971 | 48.64000 | 0.18740 | 0.03268 | | | | | | | | |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.15 | 17.0 | 45.34000 | 0.16380 | 2.97359 | 49.87000 | 0.18020 | 3.27095 | | | | | | | | |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.12 | 17.1 | 48.98000 | 0.11640 | 0.02928 | 53.88000 | 0.12800 | 0.03221 | | | | | | | | |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.97 | 17.2 | 47.57000 | 0.16490 | 0.02933 | 52.33000 | 0.18140 | 0.03226 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Engine Code AA-9200 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C | | | | | | | | |
|--------|----------------------------|------------------|-----|-----------------------|----------------------------------|------|--------------------|---------------------|-------------|------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|--|--|--|
| WLJA75 | Jeep: Grand Cherokee L 4X4 | | | L8 - AWD DFT / DHY-4F | | 6500 | 5000 | 5500 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 19.17 | 16.1 | 40.87000 | 0.12350 | 0.02961 | 44.96000 | 0.13580 | 0.03257 | | | | | | | | |
| | | | | | | | 2257 | 2837 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 28799I | 19.05 | 16.2 | 42.06000 | 0.10400 | 0.02983 | 46.27000 | 0.11440 | 0.03281 | | | | | | | | |
| | | | | | | | 4699 | 5599 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.77 | 16.5 | 43.04000 | 0.12430 | 0.02976 | 47.34000 | 0.13670 | 0.03274 | | | | | | | | |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.27 | 16.9 | 44.22000 | 0.17040 | 0.02971 | 48.64000 | 0.18740 | 0.03268 | | | | | | | | |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.15 | 17.0 | 45.34000 | 0.16380 | 2.97359 | 49.87000 | 0.18020 | 3.27095 | | | | | | | | |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.12 | 17.1 | 48.98000 | 0.11640 | 0.02928 | 53.88000 | 0.12800 | 0.03221 | | | | | | | | |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.97 | 17.2 | 47.57000 | 0.16490 | 0.02933 | 52.33000 | 0.18140 | 0.03226 | | | | | | | | |
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Engine Code AA-9250 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C | | | | | | | |
|--------|--------------------------|------------------|-----|------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|--|--|
| WLTA74 | Jeep: Grand Cherokee 4X2 | | | L8 - RWD DFT | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 19.19 | 15.3 | 35.79000 | 0.09630 | 0.02975 | 39.37000 | 0.10590 | 0.03272 | | | | | | | |
| | | | | | | | 2009 | 2489 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 28799I | 18.70 | 15.7 | 38.58000 | 0.10620 | 0.02961 | 42.44000 | 0.11680 | 0.03257 | | | | | | | |
| | | | | | | | 4327 | 5189 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.63 | 15.8 | 38.50000 | 0.10210 | 0.02992 | 42.35000 | 0.11230 | 0.03291 | | | | | | | |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 18.48 | 15.9 | 39.49000 | 0.07450 | 0.03046 | 43.44000 | 0.08200 | 0.03351 | | | | | | | |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 18.27 | 16.1 | 40.32000 | 0.12770 | 0.02961 | 44.35000 | 0.14050 | 0.03257 | | | | | | | |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.16 | 16.2 | 43.29000 | 0.08950 | 0.02945 | 47.62000 | 0.09840 | 0.03240 | | | | | | | |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.19 | 16.2 | 41.22000 | 0.11860 | 0.02963 | 45.34000 | 0.13050 | 0.03259 | | | | | | | |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.03 | 16.3 | 40.18000 | 0.13580 | 0.03014 | 44.20000 | 0.14940 | 0.03315 | | | | | | | |
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Engine Code AA-9300 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------------|------------------|-----|-------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WLTA74 | Jeep: Grand Cherokee 4X2 | | | L8 - RWD DFT | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 19.19 | 15.3 | 35.79000 | 0.09630 | 0.02975 | 39.37000 | 0.10590 | 0.03272 |
| | | | | | | | 2009 | 2489 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 287991 | 18.70 | 15.7 | 38.58000 | 0.10620 | 0.02961 | 42.44000 | 0.11680 | 0.03257 |
| | | | | | | | 4327 | 5189 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.63 | 15.8 | 38.50000 | 0.10210 | 0.02992 | 42.35000 | 0.11230 | 0.03291 |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 18.48 | 15.9 | 39.49000 | 0.07450 | 0.03046 | 43.44000 | 0.08200 | 0.03351 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 18.27 | 16.1 | 40.32000 | 0.12770 | 0.02961 | 44.35000 | 0.14050 | 0.03257 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.16 | 16.2 | 43.29000 | 0.08950 | 0.02945 | 47.62000 | 0.09840 | 0.03240 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.19 | 16.2 | 41.22000 | 0.11860 | 0.02963 | 45.34000 | 0.13050 | 0.03259 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.03 | 16.3 | 40.18000 | 0.13580 | 0.03014 | 44.20000 | 0.14940 | 0.03315 |

Engine Code AA-9350 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------------|------------------|-----|-------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WLTA74 | Jeep: Grand Cherokee 4X2 | | | L8 - RWD DFT | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 19.19 | 15.3 | 35.79000 | 0.09630 | 0.02975 | 39.37000 | 0.10590 | 0.03272 |
| | | | | | | | 2009 | 2489 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 287991 | 18.70 | 15.7 | 38.58000 | 0.10620 | 0.02961 | 42.44000 | 0.11680 | 0.03257 |
| | | | | | | | 4327 | 5189 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.63 | 15.8 | 38.50000 | 0.10210 | 0.02992 | 42.35000 | 0.11230 | 0.03291 |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 18.48 | 15.9 | 39.49000 | 0.07450 | 0.03046 | 43.44000 | 0.08200 | 0.03351 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 18.27 | 16.1 | 40.32000 | 0.12770 | 0.02961 | 44.35000 | 0.14050 | 0.03257 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.16 | 16.2 | 43.29000 | 0.08950 | 0.02945 | 47.62000 | 0.09840 | 0.03240 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.19 | 16.2 | 41.22000 | 0.11860 | 0.02963 | 45.34000 | 0.13050 | 0.03259 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.03 | 16.3 | 40.18000 | 0.13580 | 0.03014 | 44.20000 | 0.14940 | 0.03315 |

Engine Code AA-9400 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------------|------------------|-----|-------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WLTA74 | Jeep: Grand Cherokee 4X2 | | | L8 - RWD DFT | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 19.19 | 15.3 | 35.79000 | 0.09630 | 0.02975 | 39.37000 | 0.10590 | 0.03272 |
| | | | | | | | 2009 | 2489 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 287991 | 18.70 | 15.7 | 38.58000 | 0.10620 | 0.02961 | 42.44000 | 0.11680 | 0.03257 |
| | | | | | | | 4327 | 5189 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 18.63 | 15.8 | 38.50000 | 0.10210 | 0.02992 | 42.35000 | 0.11230 | 0.03291 |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 18.48 | 15.9 | 39.49000 | 0.07450 | 0.03046 | 43.44000 | 0.08200 | 0.03351 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 18.27 | 16.1 | 40.32000 | 0.12770 | 0.02961 | 44.35000 | 0.14050 | 0.03257 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 18.16 | 16.2 | 43.29000 | 0.08950 | 0.02945 | 47.62000 | 0.09840 | 0.03240 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 18.19 | 16.2 | 41.22000 | 0.11860 | 0.02963 | 45.34000 | 0.13050 | 0.03259 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 18.03 | 16.3 | 40.18000 | 0.13580 | 0.03014 | 44.20000 | 0.14940 | 0.03315 |

Engine Code AA-9450 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr. Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------------|------------------|-----|-----------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WLJA74 | Jeep: Grand Cherokee 4X4 | | | L8 - AWD DFT / DKA-4F | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 18.48 | 15.9 | 39.38000 | 0.11310 | 0.02973 | 43.32000 | 0.12440 | 0.03270 |
| | | | | | | | 2009 | 2485 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 287991 | 18.03 | 16.3 | 42.17000 | 0.12290 | 0.02958 | 46.39000 | 0.13520 | 0.03254 |
| | | | | | | | 4406 | 5228 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 17.96 | 16.4 | 42.10000 | 0.11880 | 0.02989 | 46.31000 | 0.13070 | 0.03288 |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 17.82 | 16.5 | 43.09000 | 0.09130 | 0.03043 | 47.40000 | 0.10040 | 0.03347 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.62 | 16.7 | 43.92000 | 0.14450 | 0.02958 | 48.31000 | 0.15900 | 0.03254 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 17.55 | 16.7 | 44.81000 | 0.13530 | 0.02961 | 49.29000 | 0.14880 | 0.03257 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 17.49 | 16.8 | 43.77000 | 0.15260 | 0.02985 | 48.15000 | 0.16790 | 0.03284 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 16.74 | 17.6 | 46.89000 | 0.10620 | 0.03180 | 51.58000 | 0.11680 | 0.03498 |
| | | | | | | | | | 3.45 | 26.5 | 265/60R18 TMW | TZA | 8X7200E | 15.68 | 18.7 | 50.99000 | 0.12460 | 0.03334 | 56.09000 | 0.13710 | 0.03667 |

Engine Code AA-9500

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------------|------------------|-----|-----------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WLJA74 | Jeep: Grand Cherokee 4X4 | | | L8 - AWD DFT / DKA-4F | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 18.48 | 15.9 | 39.38000 | 0.11310 | 0.02973 | 43.32000 | 0.12440 | 0.03270 |
| | | | | | | | 2009 | 2485 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 28799I | 18.03 | 16.3 | 42.17000 | 0.12290 | 0.02958 | 46.39000 | 0.13520 | 0.03254 |
| | | | | | | | 4406 | 5228 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 17.96 | 16.4 | 42.10000 | 0.11880 | 0.02989 | 46.31000 | 0.13070 | 0.03288 |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 17.82 | 16.5 | 43.09000 | 0.09130 | 0.03043 | 47.40000 | 0.10040 | 0.03347 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.62 | 16.7 | 43.92000 | 0.14450 | 0.02958 | 48.31000 | 0.15900 | 0.03254 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 17.55 | 16.7 | 44.81000 | 0.13530 | 0.02961 | 49.29000 | 0.14880 | 0.03257 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 17.49 | 16.8 | 43.77000 | 0.15260 | 0.02985 | 48.15000 | 0.16790 | 0.03284 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 16.74 | 17.6 | 46.89000 | 0.10620 | 0.03180 | 51.58000 | 0.11680 | 0.03498 |
| | | | | | | | | | 3.45 | 26.5 | 265/60R18 TMW | TZA | 8X7200E | 15.68 | 18.7 | 50.99000 | 0.12460 | 0.03334 | 56.09000 | 0.13710 | 0.03667 |

Engine Code AA-9550

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------------|------------------|-----|-----------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WLJA74 | Jeep: Grand Cherokee 4X4 | | | L8 - AWD DFT / DHY-4F | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 18.48 | 15.9 | 39.38000 | 0.11310 | 0.02973 | 43.32000 | 0.12440 | 0.03270 |
| | | | | | | | 2009 | 2485 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 28799I | 18.03 | 16.3 | 42.17000 | 0.12290 | 0.02958 | 46.39000 | 0.13520 | 0.03254 |
| | | | | | | | 4406 | 5228 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 17.96 | 16.4 | 42.10000 | 0.11880 | 0.02989 | 46.31000 | 0.13070 | 0.03288 |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 17.82 | 16.5 | 43.09000 | 0.09130 | 0.03043 | 47.40000 | 0.10040 | 0.03347 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.62 | 16.7 | 43.92000 | 0.14450 | 0.02958 | 48.31000 | 0.15900 | 0.03254 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 17.55 | 16.7 | 44.81000 | 0.13530 | 0.02961 | 49.29000 | 0.14880 | 0.03257 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 17.49 | 16.8 | 43.77000 | 0.15260 | 0.02985 | 48.15000 | 0.16790 | 0.03284 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 16.74 | 17.6 | 46.89000 | 0.10620 | 0.03180 | 51.58000 | 0.11680 | 0.03498 |
| | | | | | | | | | 3.45 | 26.5 | 265/60R18 TMW | TZA | 8X7200E | 15.68 | 18.7 | 50.99000 | 0.12460 | 0.03334 | 56.09000 | 0.13710 | 0.03667 |

Engine Code AA-9600

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------------|------------------|-----|-----------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WLJA74 | Jeep: Grand Cherokee 4X4 | | | L8 - AWD DFT / DHY-4F | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 18.48 | 15.9 | 39.38000 | 0.11310 | 0.02973 | 43.32000 | 0.12440 | 0.03270 |
| | | | | | | | 2009 | 2485 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 28799I | 18.03 | 16.3 | 42.17000 | 0.12290 | 0.02958 | 46.39000 | 0.13520 | 0.03254 |
| | | | | | | | 4406 | 5228 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 17.96 | 16.4 | 42.10000 | 0.11880 | 0.02989 | 46.31000 | 0.13070 | 0.03288 |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 17.82 | 16.5 | 43.09000 | 0.09130 | 0.03043 | 47.40000 | 0.10040 | 0.03347 |
| | | | | | | | | | 3.45 | 26 | 265/50R20 TKY | TZP | 30323-05 | 17.62 | 16.7 | 43.92000 | 0.14450 | 0.02958 | 48.31000 | 0.15900 | 0.03254 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TFA | TZH | C3545A | 17.55 | 16.7 | 44.81000 | 0.13530 | 0.02961 | 49.29000 | 0.14880 | 0.03257 |
| | | | | | | | | | 3.45 | 26.4 | 265/60R18 TJY | TZB | EL554Q | 17.49 | 16.8 | 43.77000 | 0.15260 | 0.02985 | 48.15000 | 0.16790 | 0.03284 |
| | | | | | | | | | 3.45 | 26 | 275/45R21 TJE | TZC | 354313 | 16.74 | 17.6 | 46.89000 | 0.10620 | 0.03180 | 51.58000 | 0.11680 | 0.03498 |
| | | | | | | | | | 3.45 | 26.5 | 265/60R18 TMW | TZA | 8X7200E | 15.68 | 18.7 | 50.99000 | 0.12460 | 0.03334 | 56.09000 | 0.13710 | 0.03667 |

Engine Code AA-9650

Eng Displ: 3.6L (ERC)

Evap Family - Evap Code: VCRXR0204RR0-23.0

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|--------------------------|------------------|-----|-----------------------|----------------------------------|------|--------------------|---------------------|-------------|------|----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| WLJA74 | Jeep: Grand Cherokee 4X4 | | | L8 - AWD DFT / DHY-4F | | 6050 | 4750 | 5250 | 3.45 | 26.4 | 265/60R18 TFB | TZH | X7081A | 18.48 | 15.9 | 39.38000 | 0.11310 | 0.02973 | 43.32000 | 0.12440 | 0.03270 |
| | | | | | | | 2009 | 2485 | 3.45 | 26.4 | 265/50R20 TLP | TZB | 28799I | 18.03 | 16.3 | 42.17000 | 0.12290 | 0.02958 | 46.39000 | 0.13520 | 0.03254 |
| | | | | | | | 4406 | 5228 | 3.45 | 26.4 | 265/50R20 TKJ | TZB | 094Q | 17.96 | 16.4 | 42.10000 | 0.11880 | 0.02989 | 46.31000 | 0.13070 | 0.03288 |
| | | | | | | | | | 3.45 | 26.5 | P245/70R17 TSB | TZA | 7X6141B | 17.82 | 16.5 | 43.09000 | 0.09130 | 0.03043 | 47.40000 | 0.10040 | 0.03347 |

DHN-4P
DHP-4F
DHW-4P

Engine Code AM-2000 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0136PR0-17.5

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|---|----------------------------------|------|----------------------|---------------------|------------------------------|------------------------------|--|--------------------------|-------------------------------------|----------------------------------|------------------------------|--|--|--|--|--|--|
| JLJA72 | Jeep: Wrangler 2dr 4X4 | | | M6 - 4WD DEM / DHF-4F DHN-4P DHP-4F DHW-4P | | 5100 | 4500 2016 4128 | | 3.45 3.45 3.45 3.45 | 27.4 27.7 25.8 26.3 | 245/75R17 TJK 245/75R17 TP3 LT285/70R17 TWG LT285/70R17 TXA | TZN TZN TZJ TZG | SJJLA3C SJJLB3D A15 X7633E | 15.22 14.33 12.78 12.32 | 18.3 19.4 21.8 22.6 | 29.98000 37.46000 50.34000 43.06000 | 0.40770 0.41600 0.44620 0.59790 | 0.03481 0.03503 0.03632 0.03868 | 32.98000 41.21000 55.37000 47.37000 | 0.44850 0.45760 0.49080 0.65770 | 0.03829 0.03853 0.03995 0.04255 |

Engine Code AM-2500 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0136PR0-17.5

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|---|----------------------------------|------|----------------------|---------------------|------------------------------|------------------------------|--|--------------------------|-------------------------------------|----------------------------------|------------------------------|--|--|--|--|--|--|
| JLJA72 | Jeep: Wrangler 2dr 4X4 | | | M6 - 4WD DEM / DHF-4F DHN-4P DHP-4F DHW-4P | | 5100 | 4500 2016 4128 | | 4.10 4.10 4.10 4.10 | 32.6 32.9 30.7 31.3 | 245/75R17 TJK 245/75R17 TP3 LT285/70R17 TWG LT285/70R17 TXA | TZN TZN TZJ TZG | SJJLA3C SJJLB3D A15 X7633E | 15.22 14.33 12.78 12.32 | 18.3 19.4 21.8 22.6 | 29.98000 37.46000 50.34000 43.06000 | 0.40770 0.41600 0.44620 0.59790 | 0.03481 0.03503 0.03632 0.03868 | 32.98000 41.21000 55.37000 47.37000 | 0.44850 0.45760 0.49080 0.65770 | 0.03829 0.03853 0.03995 0.04255 |

Engine Code AM-2750 Eng Displ: 3.6L (ERC) Evap Family - Evap Code: VCRXR0136PR0-17.5

| Model | Carline Name | Model Qualifiers | Opt | Trans. / Tr.Case | Torq. Conv./ Catalyst Identifier | GVW | LVW TWC Drive Curb | ALVW TWC Drive Curb | Axle / OTGR | N/V | Tire | Tire Mfr. | Tire Constr.Cd. | Elec Dyno Q.C. | Elec Dyno RLHP | Dyno Coeff 70A | Dyno Coeff 70 B | Dyno Coeff 70C | Dyno Coeff 20A | Dyno Coeff 20B | Dyno Coeff 20C |
|--------|------------------------|------------------|-----|---|----------------------------------|------|----------------------|---------------------|-------------|------|-----------------|-----------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|
| JLJA72 | Jeep: Wrangler 2dr 4X4 | | | M6 - 4WD DEM / DHF-4F DHN-4P DHP-4F DHW-4P | | 5100 | 4500 2016 4128 | | 4.88 | 37.2 | LT285/70R17 TXA | TZG | X7633E | 11.87 | 23.5 | 48.83000 | 0.55310 | 0.03983 | 53.71000 | 0.60840 | 0.04381 |

FCA US LLC

Test Group: VCRXT03.6570 - Engine Code Index

Durability Group:
VCRXGPGNNF12

Standard : Bin30+ / NA Vehicle Class: LDT4 (ALVW >5750, LVW 0-3750, GVW 6001-8500) / LDT (0-8500 GVW)

Engine Code: AA-1000 - WD 3.6L (ERC) A8 (DFT) RWD Std Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-1000 | Original | | 3.6L/ERC | WD | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5250 | 5250 | RWD | NAS |

Engine Code: AA-1250 - WD 3.6L (ERC) A8 (DFT) AWD Std Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-1250 | Original | | 3.6L/ERC | WD | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5250 | 5250 | AWD | NAS |

Engine Code: AA-1500 - WD 3.6L (ERC) A8 (DFT) RWD HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-1500 | Original | | 3.6L/ERC | WD | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5250 | 5250 | RWD | NAS |

Engine Code: AA-1750 - WD 3.6L (ERC) A8 (DFT) AWD HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-1750 | Original | | 3.6L/ERC | WD | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5250 | 5250 | AWD | NAS |

Engine Code: AA-2000 - JL74 3.6L A8 3.45 Axle

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-2000 | Original | | 3.6L/ERC | JL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 5500 | 5500 | 4750 | 4750 | 4WD | NAS |

Engine Code: AA-2250 - JL74 3.6L A8 4.10 Axle

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-2250 | Original | | 3.6L/ERC | JL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 5500 | 5500 | 4750 | 4750 | 4WD | NAS |

Engine Code: AA-2500 - JL74 3.6L A8 4.56 Axle

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-2500 | Original | | 3.6L/ERC | JL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 5500 | 5500 | 4750 | 4750 | 4WD | NAS |

Engine Code: AA-2750 - JL74 3.6L A8 4.88 Axle

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-2750 | Original | | 3.6L/ERC | JL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 5500 | 5500 | 4750 | 4750 | AWD | NAS |

Engine Code: AA-3000 - JL74 3.6L A8 3.73 Axle

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-3000 | Original | | 3.6L/ERC | JL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 5500 | 5500 | 4750 | 4750 | AWD | NAS |

Engine Code: AA-4000 - JT 3.6L A8, 4.10 axle, Rubicon 97mph/GPEC 5

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-4000 | Original | | 3.6L/ERC | JT | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | 4WD | NAS |

Engine Code: AA-4250 - JT 3.6L A8, 4.10 axle, Sportx max Tow 110mph/GPEC5

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-4250 | Original | | 3.6L/ERC | JT | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | 4WD | NAS |

Engine Code: AA-4500 - JT 3.6L A8, 3.73 axle, 110mph/GPEC5

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-4500 | Original | | 3.6L/ERC | JT | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 5800 | 5800 | 5000 | 5000 | 4WD | NAS |

Engine Code: AA-4750 - JT 3.6L A8, 3.73 axle, Tow 110mph/GPEC5

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-4750 | Original | | 3.6L/ERC | JT | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 5800 | 5800 | 5000 | 5000 | 4WD | NAS |

Engine Code: AA-5000 - JT 3.6L A8, 4.10 axle, Mojave 97mph/GPEC 5

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-5000 | Original | | 3.6L/ERC | JT | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | 4WD | NAS |

Engine Code: AA-5250 - JT 3.6L A8, 4.10 axle, Mojave tow 97mph/GPEC 5

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-5250 | Original | | 3.6L/ERC | JT | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | 4WD | NAS |

Engine Code: AA-5500 - JT 3.6L A8, 3.73 axle, Willys/GPEC5

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-5500 | Original | | 3.6L/ERC | JT | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 5800 | 5800 | 5000 | 5000 | 4WD | NAS |

Engine Code: AA-6000 - WDE 3.6L A850RE (PWM fan) AWD Pursuit

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-6000 | Original | | 3.6L/ERC | WD | AZ1 | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5250 | 5250 | AWD | NAS |

Engine Code: AA-7000 - RU 3.6L (ERC) A9 (DFH) AWD HD Cooling AGS Enabled

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-7000 | Original | | 3.6L/ERC | RU | | L9/ Automatic L9 - Lockup/Automatic/9-speed | 6300 | 6300 | 5250 | 5250 | AWD | NAS |

Engine Code: AA-7250 - RU 3.6L (ERC) A9 (DFH) AWD HD Cooling AGS Disabled

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-7250 | Original | | 3.6L/ERC | RU | | L9/ Automatic L9 - Lockup/Automatic/9-speed | 6300 | 6300 | 5250 | 5250 | AWD | NAS |

Engine Code: AA-7500 - RU 3.6L (ERC) A9 (DFH) FWD HD Cooling AGS Enabled

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-7500 | Original | | 3.6L/ERC | RU | | L9/ Automatic L9 - Lockup/Automatic/9-speed | 6055 | 6055 | 4750 | 4750 | FWD | NAS |

Engine Code: AA-7750 - RU 3.6L (ERC) A9 (DFH) FWD HD Cooling AGS Disabled

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-7750 | Original | | 3.6L/ERC | RU | | L9/ Automatic L9 - Lockup/Automatic/9-speed | 6055 | 6055 | 4750 | 4750 | FWD | NAS |

Engine Code: AA-8000 - RU 3.6L (ERC) A9 (DFH) FWD LD Cooling AGS Enabled

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-8000 | Original | | 3.6L/ERC | RU | | L9/ Automatic L9 - Lockup/Automatic/9-speed | 6055 | 6055 | 4750 | 4750 | FWD | NAS |

Engine Code: AA-8250 - RU 3.6L (ERC) A9 (DFH) FWD LD Cooling AGS Disabled

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-8250 | Original | | 3.6L/ERC | RU | | L9/ Automatic L9 - Lockup/Automatic/9-speed | 6055 | 6055 | 4750 | 4750 | FWD | NAS |

Engine Code: AA-9000 - WL 3.6L (ERC) A8 (DFT) RWD LWB Single AGS LD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-9000 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | RWD | NAS |

Engine Code: AA-9050 - WL 3.6L (ERC) A8 (DFT) RWD LWB Single AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-9050 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | RWD | NAS |

Engine Code: AA-9100 - WL 3.6L (ERC) A8 (DFT) AWD LWB 2-Spd T-Case (DKA) Single AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-9100 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | AWD | NAS |

Engine Code: AA-9150 - WL 3.6L (ERC) A8 (DFT) AWD LWB 1-Spd T-Case (DHY) Single AGS LD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|--------------|------------|-------------|
| AA-9150 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | AWD | NAS |

Engine Code: AA-9200 - WL 3.6L (ERC) A8 (DFT) AWD LWB 1-Spd T-Case (DHY) Single AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9200 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6500 | 6500 | 5000 | 5000 | AWD | NAS |

Engine Code: AA-9250 - WL 3.6L (ERC) A8 (DFT) RWD SWB Single AGS LD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9250 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | RWD | NAS |

Engine Code: AA-9300 - WL 3.6L (ERC) A8 (DFT) RWD SWB Dual AGS LD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9300 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | RWD | NAS |

Engine Code: AA-9350 - WL 3.6L (ERC) A8 (DFT) RWD SWB Single AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9350 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | RWD | NAS |

Engine Code: AA-9400 - WL 3.6L (ERC) A8 (DFT) RWD SWB Dual AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9400 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | RWD | NAS |

Engine Code: AA-9450 - WL 3.6L (ERC) A8 (DFT) AWD SWB 2-Spd T-Case (DKA) Single AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9450 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | AWD | NAS |

Engine Code: AA-9500 - WL 3.6L (ERC) A8 (DFT) AWD SWB 2-Spd T-Case (DKA) Dual AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9500 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | AWD | NAS |

Engine Code: AA-9550 - WL 3.6L (ERC) A8 (DFT) AWD SWB 1-Spd T-Case (DHY) Single AGS LD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9550 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | AWD | NAS |

Engine Code: AA-9600 - WL 3.6L (ERC) A8 (DFT) AWD SWB 1-Spd T-Case (DHY) Dual AGS LD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9600 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | AWD | NAS |

Engine Code: AA-9650 - WL 3.6L (ERC) A8 (DFT) AWD SWB 1-Spd T-Case (DHY) Single AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9650 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | AWD | NAS |

Engine Code: AA-9700 - WL 3.6L (ERC) A8 (DFT) AWD SWB 1-Spd T-Case (DHY) Dual AGS HD Cooling

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|---|----------|----------|---------------|---------------|------------|-------------|
| AA-9700 | Original | | 3.6L/ERC | WL | | L8/ Automatic L8 - Lockup/Automatic/8-speed | 6050 | 6050 | 4750 | 4750 | AWD | NAS |

Engine Code: AM-1000 - JL74 3.6L M6 3.45 FDR

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|--|----------|----------|---------------|---------------|------------|-------------|
| AM-1000 | Original | | 3.6L/ERC | JL | | M6/ Manual 6-speed M6 - Manual 6-speed | 5500 | 5500 | 4750 | 4750 | 4WD | NAS |

Engine Code: AM-1500 - JL74 3.6L M6 4.10 FDR

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|--|----------|----------|---------------|---------------|------------|-------------|
| AM-1500 | Original | | 3.6L/ERC | JL | | M6/ Manual 6-speed M6 - Manual 6-speed | 5500 | 5500 | 4750 | 4750 | 4WD | NAS |

Engine Code: AM-1750 - JL74 3.6L M6 4.88 FDR

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|--|----------|----------|---------------|---------------|------------|-------------|
| AM-1750 | Original | | 3.6L/ERC | JL | | M6/ Manual 6-speed M6 - Manual 6-speed | 5500 | 5500 | 4750 | 4750 | 4WD | NAS |

Engine Code: AM-2000 - JL72 3.6L M6 3.45 FDR

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|--|----------|----------|---------------|---------------|------------|-------------|
| AM-2000 | Original | | 3.6L/ERC | JL | | M6/ Manual 6-speed M6 - Manual 6-speed | 5100 | 5100 | 4500 | 4500 | 4WD | NAS |

Engine Code: AM-2500 - JL72 3.6L M6 4.10 FDR

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|--|----------|----------|---------------|---------------|------------|-------------|
| AM-2500 | Original | | 3.6L/ERC | JL | | M6/ Manual 6-speed M6 - Manual 6-speed | 5100 | 5100 | 4500 | 4500 | 4WD | NAS |

Engine Code: AM-2750 - JL72 3.6L M6 4.88 FDR

| Engine Code | RC/FF # | Date | Engine | Carline | Price Class | Trans. Configuration | GVW Min. | GVW Max. | Test Wt. Min. | Test Wt. Max. | Drive Code | Sales Areas |
|-------------|----------|------|----------|---------|-------------|--|----------|----------|---------------|---------------|------------|-------------|
| AM-2750 | Original | | 3.6L/ERC | JL | | M6/ Manual 6-speed M6 - Manual 6-speed | 5100 | 5100 | 4500 | 4500 | 4WD | NAS |

Test Group: VCRXT03.6570 - No Engine Code Changes

Durability Group: VCRXGPGNNF12 Standard Fed: Bin30 Cal: N/A

| RC/FF # | Submission Date | Description |
|---------|-----------------|-------------|
|---------|-----------------|-------------|

No Results Found

Section12-500 Engine Code Index

Section 12 Vehicle Parameters

Valves per cylinder Engine
3.6 Liters - 4

Test Parameters

SIL usage: All - None

Cooling fan configuration: Models
All - One fan center front (See Section 12 - 601)

Additional Cooling: Models
All - None

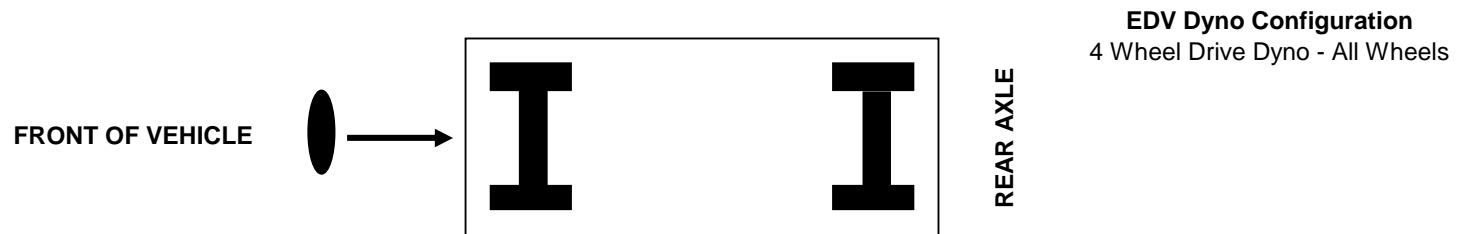
Evaporative Testing Parameters: Model
WD - 204 grams
JL - 172 grams
JT <6001 GVWR - 166 grams
JT >6000 GVWR - 166 grams
JL - 136 grams
RU - 140 grams
WL - 204 grams

Fuel temperature Profile: Models
WD - eWK
JL - cJL1 LEV3
JT <6001 GVWR - cJL1 LEV3
JT >6000 GVWR - cJL1 LEV3
JL - cJL1 LEV3
RU - eRU
WL - eWK

Special Test Procedure: Models
All - none

FAN POSITION DIAGRAM

All vehicles in Test Group



| Test Type | Fan Type | Fan Position | Hood Position |
|----------------------|--|--|---------------|
| EPA75 HWFE CCO | Fixed – 5300 cfm (2.5 m3/s) | 10 inches nominal from bumper/front of vehicle (0 -12 inches) | OPEN |
| US06 | Fixed – 15000 cfm, (7.10 m3/s) | | |
| SC03 | Road Speed Fan (meeting requirements of 40CFR1066.105(c)(5) – 45 m3/s at 60 mph) | 24-36 inches from bumper/front of vehicle (facility dependent) | CLOSED |

March 18, 2026

Mr. Joel Dalton
Certification and Compliance Division
U.S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, Michigan 48105

Dear Mr. Dalton:

Re: 2027 Model Year LDT Certificate of Conformity Request

FCA US LLC requests a 2027 MY Certificate of Conformity for the 3.6L Tier 3 Federal and 50 State test group VCRXT03.6570 with evaporative families: VCRXR0204RR0, VCRXR0172PR0, VCRXR0166PR0, VCRXR0166RR1, VCRXR0136PR0 and VCRXR0140RR0. This test group is being certified to Tier 3 BIN 30 standards. FCA US LLC agrees to meet the Tier 3 BIN 30 standards, and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.6570. FCA US LLC agrees that the exhaust and evaporative emission standards listed below and in the application for certification apply to both certification and in-use vehicles according to the provisions of 40 CFR, Parts 86 and 88, as applicable. FCA US LLC also elects to follow GHG path 86.1818(f)(1). The FTP emission standards for this LDT test group are as follows:

| <u>Emission Standards</u> | | <u>City/Hwy</u> | | | | |
|------------------------------|------|-----------------|--------------|-------------|-------------|-----------------------|
| | | <u>NMOC+NOx</u> | <u>CO</u> | <u>HCHO</u> | <u>PM</u> | |
| Tier 3 BIN 30 | 150K | 0.030 | 1.0 | 0.004 | 0.003 | |
| <u>Evaporative Standards</u> | | <u>3-Day</u> | <u>2-Day</u> | <u>R/L</u> | <u>ORVR</u> | <u>Canister Bleed</u> |
| VCRXR0204RR0 | 150K | 0.500 | 0.500 | 0.05 | 0.2 | 0.02 |
| VCRXR0172PR0* | 150K | 0.375 | 0.375 | 0.05 | 0.2 | 0.02 |
| VCRXR0166PR0* | 150K | 0.375 | 0.375 | 0.05 | 0.2 | 0.02 |
| VCRXR0166RR1* | 150K | 0.375 | 0.375 | 0.05 | 0.2 | 0.02 |
| VCRXR0136PR0* | 150K | 0.375 | 0.375 | 0.05 | 0.2 | 0.02 |
| VCRXR0140RR0* | 150K | 0.450 | 0.450 | 0.05 | 0.2 | 0.02 |

* Evaporative Family VCRXR0172PR0 is being certified with an evaporative FEL of 0.375, generating credits as compared to the nominal standard of 0.400, for LDT2 models.* Evaporative Family VCRXR0166PR0 is being certified with an evaporative FEL of 0.375, generating credits as compared to the nominal standard of 0.400, for LDT2 models.* Evaporative Family VCRXR0166RR1 is being certified with an evaporative FEL of 0.375, generating credits as compared to the nominal standard of 0.500, for LDT3 models.* Evaporative Family VCRXR0136PR0 is being certified with an evaporative FEL of 0.375, generating credits as compared to the nominal standard of 0.400, for LDT2 models.

Initial combined CREE for VCRXT03.6570 test group is = 373.1

The models in this test group are as follows:

- Division / Model**
Dodge Durango, AWD/RWD
Jeep Wrangler 4dr, 4X4
Jeep Gladiator, 4X4
Jeep Wrangler 2dr, 4X4
Chrysler Pacifica, AWD
Chrysler Voyager, FWD
Chrysler Grand Caravan, FWD
Jeep Grand Cherokee, AWD/RWD

If there are any questions regarding this submission, please contact Avinash Manivannan at 248.934.7024 or Gary J. Arvan at 248.221.9461.

Sincerely,
FCA US LLC



Gary J. Arvan, Director
Vehicle Safety & Environmental Homologation Programs
gja/acm



January 20, 2026

Ms. Robin U. Lang, Chief
 Emissions Certification and Compliance Division
 Air Resources Board
 4001 Iowa Ave,
 Riverside, CA 92507

Dear Ms. Lang:

Re: 2027 Model Year LDT Executive Order Request

FCA US LLC requests a 2027 MY Executive Order for the 3.6L 50 State test group VCRXT03.6570 with evaporative families: VCRXR0204RR0, VCRXR0172PR0, VCRXR0166PR0, VCRXR0166RR1, VCRXR0136PR0 and VCRXR0140RR0. This test group is being certified according to an alternate certification path provided in MAC ECCD-2025-08. FCA requests an EO based on the EPA Tier 3 requirements as reflected in the enclosed EPA Certificates of Conformity and EPA Certification Summary Information.

FCA US LLC agrees to meet the Tier 3 BIN 30 emission standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.6570. FCA US LLC agrees that the exhaust and evaporative emission standards listed below and in the application for certification apply to both certification and in-use vehicles according to the provisions of 40 CFR, Parts 86 and 88, as applicable. FCA US LLC also elects to follow GHG path 86.1818(f)(1). The FTP emission standards for this LDT test group are as follows:

| <u>Emission Standards</u> | | <u>City/Hwy</u> <u>NMOG+NOx</u> | <u>CO</u> | <u>HCHO</u> | <u>PM</u> | |
|------------------------------|------|------------------------------------|--------------|-------------|-------------|-----------------------|
| | 150K | 0.030 | 1.0 | 0.004 | 0.001 | |
| <u>Evaporative Standards</u> | | <u>3-Day</u> | <u>2-Day</u> | <u>R/L</u> | <u>ORVR</u> | <u>Canister Bleed</u> |
| VCRXR0204RR0 | 150K | 0.500 | 0.500 | 0.05 | 0.2 | 0.02 |
| VCRXR0172PR0* | 150K | 0.375 | 0.375 | 0.05 | 0.2 | 0.02 |
| VCRXR0166PR0* | 150K | 0.375 | 0.375 | 0.05 | 0.2 | 0.02 |
| VCRXR0166RR1* | 150K | 0.375 | 0.375 | 0.05 | 0.2 | 0.02 |
| VCRXR0136PR0* | 150K | 0.375 | 0.375 | 0.05 | 0.2 | 0.02 |
| VCRXR0140RR0* | 150K | 0.450 | 0.450 | 0.05 | 0.2 | 0.02 |

* Evaporative Family VCRXR0172PR0 is being certified with an evaporative FEL of 0.375, generating credits as compared to the nominal standard of 0.400, for LDT2 models.* Evaporative Family VCRXR0166PR0 is being certified with an evaporative FEL of 0.375, generating credits as compared to the nominal standard of 0.400, for LDT2 models.* Evaporative Family VCRXR0166RR1 is being certified with an evaporative FEL of 0.375, generating credits as compared to the nominal standard of 0.500, for LDT3 models.* Evaporative Family VCRXR0136PR0 is being certified with an evaporative FEL of 0.375, generating credits as compared to the nominal standard of 0.400, for LDT2 models.

Initial combined CREE for VCRXT03.6570 test group is = 373.1



FCA also completed an E-CERT submission for this test group at the direction of CARB. CARB's E-CERT system requires the selection of a California emission standard at the time of submission. FCA selected the LEV III standard for this reason only and not as an acknowledgement of CARB's authority to require compliance with the underlying standards.

If there are any questions regarding this submission, please contact Avinash Manivannan at 248.934.7024 or Gary J. Arvan at 248.221.9461.

Sincerely,

FCA US LLC

A handwritten signature in black ink, appearing to read 'Gary J. Arvan', is positioned below the company name.

Gary J. Arvan, Director
Vehicle Safety & Environmental Homologation Programs

c: J. Nguyen
gja/acm

VCRXT03.6570 Part 1 Section 14 - 002 (2027)

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 12/02/2025

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

CRX

Manufacturer Name *

FCA US LLC

Contact Name *

Pamela J Barylski

Contact Email Address *

pamela.barylski@stellantis.com

Contact Phone *

8102798571

Calendar Year complete application submitted to EPA *

2026

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2026, through December 31, 2026. The applicable fee is determined by the

calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

VCRXT03.6570

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

- On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- On-Highway HDE Dyno Cert (Federal) (E, H)
- On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- On-Highway Motorcycle (C)
- On-Highway HDV Evap (F)
- On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- On-Highway HDE Dyno Cert (California-Only) (E, H)
- Nonroad CI (L)
- Nonroad SI (B, S)
- Locomotive (G, K)
- All Nonroad Recreational, excluding Marine engines (X, Y)
- All Marine (Including IMO) (M, N, W)
- Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only)

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,317.00

Payment Type *

Offline Wire

Comments

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

The content of this document may contain Sensitive But Unclassified (SBU) data and/or Controlled Unclassified Information (CUI).

MOBILE SOURCE CERTIFICATION AND COMPLIANCE FEE PAYMENT FORM FOR ON-ROAD APPLICATIONS ONLY

CARB USE ONLY

| | |
|--------------|--------------|
| Invoice Name | MSF250446 |
| Invoice Date | Nov 10, 2025 |

COMPANY INFORMATION

| | |
|--------------------------|---------------------------|
| Company Name | FCA US LLC |
| Address | 800 Chrysler Drive |
| City | Auburn Hills |
| State | MI |
| Zip | 48326 |
| Country | United States |
| Contact Name | Gary Arvan |
| Contact Telephone Number | 248-221-9461 |
| Contact Email | gary.arvan@stellantis.com |
| CARB Customer Number | CCAM000028 |

APPLICATION INFORMATION

| Payment Row Number | Product Description or File Name | Model Year/Calendar Year | Unique Application Identifier: Test Group, Engine Family, Trailer Family, Vehicle Family, ZEP Family, if applicable (ID listed in payment row must match the unique identifier given to the certification application) | Category Type | Fee Type | Amount |
|--------------------|----------------------------------|--------------------------|--|--|---------------|--------------|
| 1 | CBI_TCRXT06.2F71_APPIPT | Model Year 2026 | TCRXT06.2F71 | Light-duty vehicle test group and medium-duty vehicle test group | Base | \$ 48,447.00 |
| 2 | CBI_TCRXT06.4F70_APPIPT | Model Year 2026 | TCRXT06.4F70 | Light-duty vehicle test group and medium-duty vehicle test group | Base | \$ 48,447.00 |
| 3 | CBI_VCRXJ00.0510_APPIPT | Model Year 2027 | VCRXJ00.0510 | Light-duty vehicle test group and medium-duty vehicle test group | Zero-Emission | \$ 12,577.00 |
| 4 | CBI_VCRXV03.0570_APPIPT | Model Year 2027 | VCRXV03.0570 | Light-duty vehicle test group and medium-duty vehicle test group | Base | \$ 50,309.00 |
| 5 | CBI_VCRXT03.6542_APPIPT | Model Year 2027 | VCRXT03.6542 | Light-duty vehicle test group and medium-duty vehicle test group | Base | \$ 50,309.00 |
| 6 | CBI_VCRXT03.6570_APPIPT | Model Year 2027 | VCRXT03.6570 | Light-duty vehicle test group and medium-duty vehicle test group | Base | \$ 50,309.00 |

| | |
|------------------|----------------------|
| Total Due | \$ 260,398.00 |
|------------------|----------------------|

I, Gary Arvan (Nov 10, 2025 15:30:10 EST), attest that any information provided is true, accurate, and complete.

PAM BARYLSKI

From: noreply@salesforce.com on behalf of California Air <mcertfees@arb.ca.gov>
Sent: Tuesday, December 2, 2025 12:33 PM
To: PAM BARYLSKI
Subject: [EXTERNAL]MS Fee Payment Confirmation for Invoice MSF250446
Attachments: MSF250446 - signed.pdf

EXTERNAL: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Gary Arvan


Attached is documentation for your MS Fee payment for Invoice Name MSF250446. Please include a copy of this invoice and email with each application that is listed when submitting your application to the applicable MS Fee program.

1. Payment ID – 25RA0202
2. Date of Payment – 11/24/2025
3. Payment Status - Paid





2027 50-State (NAS) WD
 Test Group: VCRXT03.6570

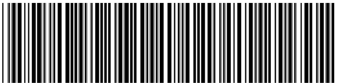
| | | |
|---|--|---|
| FCA US LLC | VEHICLE EMISSION CONTROL INFORMATION | |
| GROUP: VCRXT03.6570 EVAP: VCRXR0204RR0 | NO ADJUSTMENTS NEEDED EGR / EGRC HO2S / SFI TWC | CONFORMS TO REGULATIONS: 2027 MY ENGINE: 3.6L |
| U.S. EPA: T3 B30 LDT OBD: CA OBD II FUEL: GASOLINE | | 68746 223AB |
| CA: N/A OBD: N/A FUEL: N/A THIS VEHICLE CONFORMS TO FEDERAL REGULATIONS AND IS CERTIFIED FOR SALE IN CALIFORNIA | |  |

VECI label is located on the vehicle per 40 CFR 86.1807-01.

VCRXT03.6570 Part 1 Section 15 - 100 (2027)



2027 50-State (NAS) JT <6001 GVWR
Test Group: VCRXT03.6570


| FCA US LLC | VEHICLE EMISSION CONTROL INFORMATION | |
|---|--|---|
| GROUP: VCRXT03.6570 EVAP: VCRXR0166PRO | NO ADJUSTMENTS NEEDED EGR / EGRC HO2S / SFI TWC | CONFORMS TO REGULATIONS: 2027 MY ENGINE: 3.6L |
| U.S. EPA: T3 B30 LDT OBD: CA OBD II FUEL: GASOLINE | | 68746 219AB |
| CA: N/A OBD: N/A FUEL: N/A THIS VEHICLE CONFORMS TO FEDERAL REGULATIONS AND IS CERTIFIED FOR SALE IN CALIFORNIA | |  |

VECI label is located on the vehicle per 40 CFR 86.1807-01.

VCRXT03.6570 Part 1 Section 15 - 101 (2027)



2027 50-State (NAS) JT >6000 GVWR
 Test Group: VCRXT03.6570

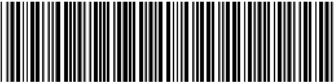
| | | |
|---|---|--|
| FCA US LLC | VEHICLE EMISSION CONTROL INFORMATION | |
| GROUP: VCRXT03.6570 EVAP: VCRXR0166RR1 | NO ADJUSTMENTS NEEDED EGR / EGRC HO2S / SFI TWC | CONFORMS TO REGULATIONS: 2027 MY ENGINE: 3.6L |
| U.S. EPA: T3 B30 LDT OBD: CA OBD II FUEL: GASOLINE | 68746 220AB | |
| CA: N/A OBD: N/A FUEL: N/A THIS VEHICLE CONFORMS TO FEDERAL REGULATIONS AND IS CERTIFIED FOR SALE IN CALIFORNIA |  | |

VECI label is located on the vehicle per 40 CFR 86.1807-01.

VCRXT03.6570 Part 1 Section 15 - 103 (2027)



2027 50-State (NAS) JL
 Test Group: VCRXT03.6570

| | | |
|---|---|--|
| FCA US LLC | VEHICLE EMISSION CONTROL INFORMATION | |
| GROUP: VCRXT03.6570 EVAP: VCRXR0136PRO 17.5 gal VCRXR0172PRO 21.5 gal | NO ADJUSTMENTS NEEDED EGR / EGRC HO2S / SFI TWC | CONFORMS TO REGULATIONS: 2027 MY ENGINE: 3.6L |
| U.S. EPA: T3 B30 LDT OBD: CA OBD II FUEL: GASOLINE | 68746 218AB | |
| CA: N/A OBD: N/A FUEL: N/A THIS VEHICLE CONFORMS TO FEDERAL REGULATIONS AND IS CERTIFIED FOR SALE IN CALIFORNIA |  | |


VECI label is located on the vehicle per 40 CFR 86.1807-01.

VCRXT03.6570 Part 1 Section 15 - 104 (2027)



2027 50-State (NAS) RU

Test Group: VCRXT03.6570


| FCA US LLC | | VEHICLE EMISSION CONTROL INFORMATION | |
|---|--|--|---|
| GROUP: VCRXT03.6570 EVAP: VCRXR0140RRO | NO ADJUSTMENTS NEEDED EGR / EGRC HO2S / SFI TWC | CONFORMS TO REGULATIONS: 2027 MY ENGINE: 3.6L | 68727 180AB  |
| U.S. EPA: T3 B30 LDT OBD: CA OBD II FUEL: GASOLINE | | | |
| CA: N/A OBD: N/A FUEL: N/A THIS VEHICLE CONFORMS TO FEDERAL REGULATIONS AND IS CERTIFIED FOR SALE IN CALIFORNIA | | | |

VECI label is located on the vehicle per 40 CFR 86.1807-01.

VCRXT03.6570 Part 1 Section 15 - 105 (2027)



2027 50-State (NAS) WL
 Test Group: VCRXT03.6570

| | | |
|---|---|--|
| FCA US LLC | VEHICLE EMISSION CONTROL INFORMATION | |
| GROUP: VCRXT03.6570 EVAP: VCRXR0204RR0 | NO ADJUSTMENTS NEEDED EGR / EGRC HO2S / SFI TWC | CONFORMS TO REGULATIONS: 2027 MY ENGINE: 3.6L |
| U.S. EPA: T3 B30 LDT OBD: CA OBD II FUEL: GASOLINE | 68746 221AB | |
| CA: N/A OBD: N/A FUEL: N/A THIS VEHICLE CONFORMS TO FEDERAL REGULATIONS AND IS CERTIFIED FOR SALE IN CALIFORNIA |  | |

VECI label is located on the vehicle per 40 CFR 86.1807-01.

VCRXT03.6570 Part 1 Section 15 - 106 (2027)