



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 4i 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



Table of Contents

Correspondence & Communication	Section 1
Durability Group Description Summary	Section 2
Evaporative/Refueling Family Description Summary	Section 3
Durability Procedure Description	Section 4
Test Group Description Summary	Section 5
	Reserved
	Reserved
Emission testing Waiver Statement and Attestations	Section 8
OBD Description	Section 9
Description of Alternate Fueled Vehicles	Section 10
List of AECD Used in Test Group	Section 11
List of Certified Vehicles & Complete Test Parameters	Section 12
Total Projected Sales for This Test Group - See Common Section 16	
Request for Certificate / Cover Letters	Section 14
Fee Filing Form	Section 15
VECI Label	Section 15
Confidential Information for Test Group – See Common Section 16	
California Unique Information	Section 17
Exhaust Data Carryover	Section 17.15
VI's for Data Fleet	Section 17.16
Data Fleet Test Logs	Section 17.16



Section 1 Correspondence and Communication

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

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<u>Responsibility</u>	Vehicle Safety & Environmental Homologation Programs	Application Submission
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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	03/24/2026 04:11:59 PM
Model Year	2027		

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0204RR0
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	LDT3, LDT2, LDT4
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	04/20/2026	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	T4iBIN30 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 This test group is being certified to Tier 4 Interim standards. FCA US LCC agrees to meet the Tier 4i BIN 30 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.6570		
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	599 - Grand Cherokee 4X4	California + CAA Section 177 states	All Wheel Drive	Automatic	8	Yes
FCA US LLC	2 - Dodge	290 - Durango RWD	Federal	2-Wheel Drive, Rear	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	5 - Jeep	598 - Grand Cherokee L 4X4	Federal	All Wheel Drive	Automatic	8	Yes
FCA US LLC	5 - Jeep	591 - Grand Cherokee L 4X2	Federal	2-Wheel Drive, Rear	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	5 - Jeep	592 - Grand Cherokee 4X2	Federal	2-Wheel Drive, Rear	Automatic	8	Yes
FCA US LLC	2 - Dodge	297 - Durango Pursuit AWD	Federal	All Wheel Drive	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	598 - Grand Cherokee L 4X4	California + CAA Section 177 states	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	295 - Durango AWD	Federal	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 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	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
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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
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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									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>HC (Hydrocarbon for Running Loss and ORVR)</td> <td>0.02268</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC (Hydrocarbon for Running Loss and ORVR)	0.02268	--
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						
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	VCRXR0204RR0
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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

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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
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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
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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	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	--
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	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	--

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0204RR0
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Consolidated List of Standards

Exhaust Standards

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

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

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	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			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	

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		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	

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	

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			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	

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			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		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	

Evaporative/Refueling Standards

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			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					

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	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
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
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	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	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

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

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	03/24/2026 04:11:59 PM
Model Year	2027		

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0172PR0
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	LDT3, LDT2, LDT4
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	04/20/2026	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	T4iBIN30 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 This test group is being certified to Tier 4 Interim standards. FCA US LCC agrees to meet the Tier 4i BIN 30 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.6570		
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	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
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	Federal	4-Wheel Drive	Manual	6	No

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			
	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	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
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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	--
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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	VCRXR0172PR0
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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

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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
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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
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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	--
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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	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
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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	--
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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	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
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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
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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	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	VCRXR0172PR0
Fuel Properties			
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	--
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	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	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	--
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	VCRXR0172PR0
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	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	--

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0172PR0
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Consolidated List of Standards

Exhaust Standards

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

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

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	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			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	

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		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	

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			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

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			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

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			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		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	

Evaporative/Refueling Standards

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			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		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					

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0172PR0
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
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--
		Std	Add DF
		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	CA fuel 3-day evap.		
Fuel	Useful Life	Emission Name	Rounded Result
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--
		Std	Add DF
		0.375	0.0090
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
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--
		Std	Add DF
		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
Gasoline	150,000 miles	HC	--
		Std	Add DF
		0.20	0.000
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
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--
		Std	Add DF
		0.375	0.0090
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
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--
		Std	Add DF
		0.375	0.0057

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0172PR0		
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	03/24/2026 04:11:59 PM
Model Year	2027		

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0166PR0
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	LDT3, LDT2, LDT4
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	04/20/2026	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	T4iBIN30 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 This test group is being certified to Tier 4 Interim standards. FCA US LCC agrees to meet the Tier 4i BIN 30 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.6570		
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						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	VCRXR0166PR0
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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	--
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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			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
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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
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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
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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	--
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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
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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	--
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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	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
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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
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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	VCRXR0166PR0
Fuel Properties			
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	--
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	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	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	--
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	VCRXR0166PR0
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	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	--

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0166PR0
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Consolidated List of Standards

Exhaust Standards

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

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

Certification Summary Information Report

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		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			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			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	

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		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	

Certification Summary Information Report

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	

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			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	

Certification Summary Information Report

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			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		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	

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					

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					

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					

Certification Summary Information Report

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	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	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	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	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
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

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0166PR0		
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

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	03/24/2026 04:11:59 PM
Model Year	2027		

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0166RR1
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	LDT3, LDT2, LDT4
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	04/20/2026	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	T4iBIN30 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 This test group is being certified to Tier 4 Interim standards. FCA US LCC agrees to meet the Tier 4i BIN 30 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.6570		
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	California + CAA Section 177 states	4-Wheel Drive	Automatic	8	Yes
FCA US LLC	5 - Jeep	550 - Gladiator 4X4	Federal	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
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		
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	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
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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	--
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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	VCRXR0166RR1
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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
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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
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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	--
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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
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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	--
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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
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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
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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
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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	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	--
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	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	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	--
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	VCRXR0166RR1
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	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	--

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0166RR1
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Consolidated List of Standards

Exhaust Standards

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

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

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	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			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	

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		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	

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	

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			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	

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			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		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	

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 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		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		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		
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	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	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	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	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		
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

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	03/24/2026 04:11:59 PM
Model Year	2027		

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0136PR0
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	LDT3, LDT2, LDT4
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	04/20/2026	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	T4iBIN30 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 This test group is being certified to Tier 4 Interim standards. FCA US LCC agrees to meet the Tier 4i BIN 30 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.6570		
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									
	<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			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
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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
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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
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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
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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	--
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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												
<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 Combustion	--								
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	--								
Fuel Cell Indicator	--		Rechargeable Energy Storage System, if 'Other'	--								
Rechargeable Energy Storage System	--		Odometer Correction Factor	1								
Off-board charge Capable Indicator	--		Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction -- Initial	0		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		# of Transmission Gears	8								
Axle Ratio	4.1		Creeper Gear	No								
Transmission Type	Automatic											
Transmission Lockup	Yes											
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	86.98	-0.5921	0.04897	55.38	-0.4694		0.04423					
US06	86.98	-0.5921	0.04897	55.38	-0.4694	0.04423	24					
							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
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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	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	--
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	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	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	--
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	VCRXR0136PR0
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	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	--

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0136PR0
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Consolidated List of Standards

Exhaust Standards

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

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

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	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			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	

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		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	

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	

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			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	

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			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		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	

Evaporative/Refueling Standards

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		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		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	VCRXR0136PR0		
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	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	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 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	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	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

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	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	03/24/2026 04:11:59 PM
Model Year	2027		

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0140RR0
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	LDT3, LDT2, LDT4
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	04/20/2026	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	T4iBIN30 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 This test group is being certified to Tier 4 Interim standards. FCA US LCC agrees to meet the Tier 4i BIN 30 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.6570		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0140RR0
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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	190 - Voyager	California + CAA Section 177 states	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	192 - Grand Caravan	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	180 - Pacifica	Federal	2-Wheel Drive, Front	Automatic	9	Yes
FCA US LLC	1 - Chrysler	185 - Pacifica AWD	Federal	All Wheel Drive	Automatic	9	Yes
FCA US LLC	1 - Chrysler	185 - Pacifica AWD	California + CAA Section 177 states	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	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
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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

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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
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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
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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
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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

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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
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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
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	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	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	--

Certification Summary Information Report

Test Group	VCRXT03.6570	Evaporative/Refueling Family	VCRXR0140RR0
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	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
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Consolidated List of Standards

Exhaust Standards

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

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

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		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			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	

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		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	

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	

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			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	

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			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		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	

Evaporative/Refueling Standards

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 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		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	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	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	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	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	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	VCRXR0140RR0		
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

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	SJLJB3D	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	SJLJB3D	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	SJLJB3D	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 27.6 245/75R17 TJK	27.6	245/75R17 TJK	TZN	SJJLA3C	15.92	18.5	38.44000	0.23360	0.03539	42.28000	0.25700	0.03893
									3.73 27.3 255/70R18 TDA	27.3	255/70R18 TDA	TZB	EN268Q-A	15.68	18.8	39.01000	0.25670	0.03556	42.91000	0.28240	0.03912
									3.73 27.8 245/75R17 TP3	27.8	245/75R17 TP3	TZN	SJJLB3D	14.94	19.7	46.40000	0.24260	0.03562	51.04000	0.26690	0.03918
									3.73 26.8 255/70R18 TY5	26.8	255/70R18 TY5	TZA	23X700-3B	14.39	20.4	40.99000	0.45510	3.58359	45.09000	0.50060	3.94195
									3.73 25.9 LT285/70R17 TWG	25.9	LT285/70R17 TWG	TZJ	A15	13.29	22.1	59.87000	0.27410	0.04692	65.86000	0.30150	0.04061
									3.73 26.5 LT285/70R17 TXA	26.5	LT285/70R17 TXA	TZG	X7633E	12.97	22.7	55.19000	0.17030	0.04256	60.71000	0.18730	0.04682
									3.73 25.2 LT315/70R17 TVC	25.2	LT315/70R17 TVC	TZG	C4359A	12.83	22.9	57.11000	0.10520	0.04380	62.82000	0.11580	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	4.10 2879 5648	29.1 27.7 29.9	LT285/70R17 TXA LT315/70R17 TVC LT255/75R17 TTP	TZG TZG TZB	X7633E C4359A 32302I	13.84 13.50 13.10	22.4 22.9 23.6	58.16000 59.80000 62.21000	-0.1967 -0.2337 -0.0311	0.04777 0.04956 0.04665	63.98000 65.78000 68.43000	-0.2164 -0.2571 -0.0342	0.05255 0.05452 0.05132
									4.10 28.5 LT285/70R17 TWG	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	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	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-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	4.10 2879 5648	30.4 29.5 30	P245/75R17 TQK 255/70R18 TY5 255/70R18 TPQ	TZB TZA TZE	ER693X-I 23X700-3B ET461640	16.03 15.55 15.55	19.3 19.9 19.9	43.77000 48.16000 48.16000	0.12680 0.11770 0.11770	0.03790 0.03809 0.03809	48.15000 52.98000 52.98000	0.13950 0.12950 0.12950	0.04169 0.04190 0.04190
									4.10 29.8 P255/70R18 TDA	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	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	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	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	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	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	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	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	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	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-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 27.6 P245/75R17 TQK	27.6	P245/75R17 TQK	TZB	ER693X-I	16.03	19.3	43.77000	0.12680	0.03790	48.15000	0.13950	0.04169
									3.73 26.8 255/70R18 TY5	26.8	255/70R18 TY5	TZA	23X700-3B	15.55	19.9	48.16000	0.11770	0.03809	52.98000	0.12950	0.04190
									3.73 27.3 255/70R18 TPQ	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	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 27.9 P245/75R17 TTH	27.9	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	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	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-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
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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							

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							

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							

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						

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
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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

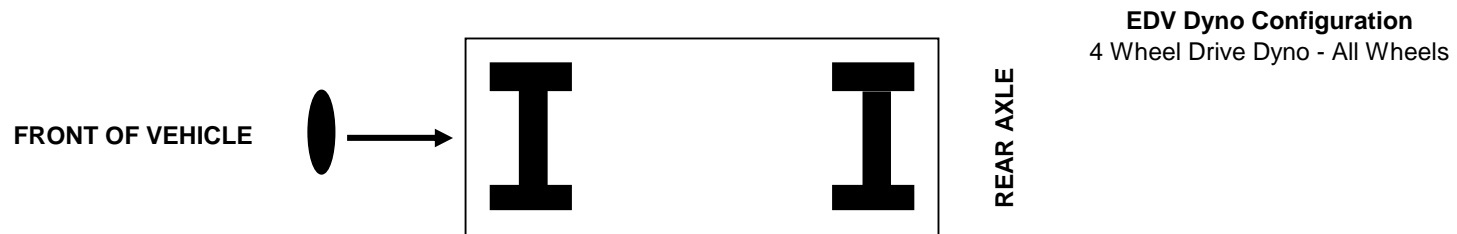
Evaporative Testing Parameters: Model
WD - 204 grams
JL - 172 grams
JT <6001 GVWR - 166 grams
JT >6000 GVWR - 166 grams
JL - 136 grams
RU - 140 grams
WL - 204 grams

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 23, 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 4 Interim 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 4i BIN 30 standards. FCA US LLC agrees to meet the Tier 4i 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>NMOG+NOx</u>	<u>CO</u>	<u>HCHO</u>	<u>PM</u>	
Tier 4i 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



March 23, 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 4 Interim requirements as reflected in the enclosed EPA Certificates of Conformity and EPA Certification Summary Information.

FCA US LLC agrees to meet the Tier 4i 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).

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
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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
U.S. EPA: T3 B30 LDT OBD: CA OBD II FUEL: GASOLINE		68727 180AB
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)