FCA
FIAT CHRYSLER AUTOMOBILES

May 21, 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 Notification of Running Change 27RC-022 for Test Group(s) VCRXT05.7571

FCA US LLC is officially notifying you of their 2027 MY Running change for the test group(s) listed above. This revision has been completed under the provisions of 40 CFR 86.1842-01 (addition of a vehicle after certification; and changes to a vehicle covered by certification).

This Running change update is for the Addition of new worst case model on the 2027 MY DT (RAM

1500) 5.7L (NO ESS) A8 models.

The changes include:

Addition of new EDV 5.7L DT non-BSG to VCRXT05.7571 test group

Details of these changes follow this letter.

The regulatory OBD / Data Standardization system is not affected by this Running change.

This Running change has been reviewed and a determination made that no testing was required. Attached are the application Engine Code Index pages for this Running change.

If there are any questions regarding this submission, please contact Avinash Manivannan at (248) 934-7024 or Gary J Arvan at (248) 221-9461.

G.J.Arvan,
Vehicle Certification
GJA/acm

cc: R. Lang -- CARB
J. Nguyen -- CARB
27RC-022

Change Applies to	Change Description/Impact	Reason for Release/Change
VCRXT05.7571	Addition of new EDV 5.7L DT non-BSG to VCRXT05.7571 test group	Adding new DT 5.7L (Non-BSG) models to the test group. Carryover the test data from 23MY 5.7L DS

FIAT CHRYSLER AUTOMOBILES

Application for Certification
Part 1

2027 ModelYear

Durability Group: VCRXGPGNNF08
Evaporative Familie(s): VCRXR0225RR1, VCRXR0183RR1, VCRXR0204RR0

Test Group: VCRXT05.7571

Four Stroke, Otto Cycle, Gasoline Fueled, Ported FI

Ceramic Monolith Pd, Rh Close Coupled Catalyst

5.7 Liter V-8
LDT4
Applicable Standards:
50 State - Tier 4i BIN 70

Vehicles Covered:
RAM 1500 4X2, RWD
RAM 1500 4X4, 4WD
Dodge Durango, AWD
Dodge Durango Pursuit, AWD

Vehicle(s) Run:
VID 1 config., Vehicle ID V9DS69205 (Exh.)
VID 2 config., Vehicle ID V7DS61972 (Evap)
VID 3 config., Vehicle ID V7DS61975 (Evap)
VID 4 config., Vehicle ID L0WDE8893 (Evap)

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

FIAT CHRYSLER AUTOMOBILES

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Section 1 Correspondence and Communication

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

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

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

Section 2 Durability Group Description

Durability Group Name: VCRXGPGNNF08

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): VCRXR0225RR1
VCRXR0183RR1
VCRXR0204RR0

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"

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Section 4 Durability Procedure Description

Durability Group: VCRXGPGNNF08

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.	Whole Vehicle 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

Evaporative/Refueling Family: VCRXR0225RR1
VCRXR0183RR1
VCRXR0204RR0

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

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Section 5 Test Group Description

Test Group Name:	VCRXT05.7571
Engine displacements covered:	5.7L
Arrangement and number of cylinders:	V-8
Vehicle class(es) covered:	LDT4
Emission standards class:	BIN 70
AB71 Qualified Vehicles:	No

Revised: 5/21/2026
Issue Date: 4/30/2026

Certification Summary Information Report

Manufacturer	FCA US LLC	**Manufacturer Code**	CRX
Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1
Certificate Number	--	**CARB Executive Order #**	--
Certificate Issue Date	--	**Certificate Revision Date**	--
Certificate Effective Date	--	**Conditional Certificate**	--
CSI Revision #	--	**CSI Submission/Revision Date**	05/21/2026 04:08:04 PM
Model Year	2027		

Test Group Information

CSI Type	Running Change	**Running Change Reference Number**	27RC-022
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**	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	VCRXGPGNNF08	**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	07/27/2026	**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**	3
OBD Deficiencies Comments	1) SAE International (SAE) J1979-2 Implementation 2) Adaptive cruise control and parallel park systems default action, if equipped 3) Purge flow monitor low in use monitor performance ration (IUMPR)		
Mfr Test Group Comments	T4iBIN70 E10 - City Litmus Value: 13.2; City Litmus Threshold: 12.5; Hwy Litmus Value: 19.4; Hwy Litmus Threshold: 18.8; 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 70 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT05.7571		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Evaporative/Refueling Family Information

Evaporative Summary Information Type	New	**Submission/Correction Date**	04/08/2026 08:47:34 AM
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?	Yes	**Air Intake System Vapor Storage Device Description**	HC Adsorber
Fuel System Vapor Storage Canister?	Yes	**Other Vapor Storage**	--
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	222	**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
VCRXR0225RR1-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	12 - RAM	925 - 1500 4X4	Federal	4-Wheel Drive	Automatic	8	Yes
FCA US LLC	12 - RAM	925 - 1500 4X4	California + CAA Section 177 states	4-Wheel Drive	Automatic	8	Yes
FCA US LLC	12 - RAM	920 - 1500 4X2	Federal	2-Wheel Drive, Rear	Automatic	8	Yes
FCA US LLC	12 - RAM	920 - 1500 4X2	California + CAA Section 177 states	2-Wheel Drive, Rear	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**	SAE 0W-20
Number of Cylinders/Rotors	8	**Mechanically Variable Compression Ratio Indicator**	N

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

After Treatment Device(s) (ATD)

ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Rhodium	Ceramic	Monolith

Mfr After Treatment Device (ATD) Comments	TWC
Direct Ozone Reduction (DOR) Device	Not Equipped
Mfr Emission Control Device Comments	--

Engine Configuration Number 1

Engine Displacement (liters)	5.7	**Engine Rated Horsepower**	392
Number of Inlet Valves Per Cylinder	1	**Number of Exhaust Valves Per Cylinder**	1
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	Yes		
Cylinder Deactivation Description	Solenoids		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Cam phasers		
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	No	**Cooled Exhaust Gas Recirculation**	No
EGR Type	--	**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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Engine Configuration Number 2

Engine Displacement (liters)	5.7	**Engine Rated Horsepower**	357
Number of Inlet Valves Per Cylinder	1	**Number of Exhaust Valves Per Cylinder**	1
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	Yes		
Cylinder Deactivation Description	Solenoids		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Cam phasers		
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	No	**Cooled Exhaust Gas Recirculation**	No
EGR Type	--	**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	NCRX10073215	NCRX10073217	NCRX10073218	NCRX10073222	NCRX10073216	14.6	228.2	20.6	286.1	1.0

SFTP LEV-III Official Test Numbers

Test Group Fuel	FTP	US06	SC03
Gasoline	NCRX10073215	NCRX10073217	NCRX10073218

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Emission Data Vehicle Information

Vehicle ID / Configuration	V7DS61972 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	JCRXT05.75P2	**Original Evaporative/Refueling Family**	JCRXR0225RP0
Original Test Vehicle Model Year	2018		

Vehicle Model

Represented Test Vehicle Make	RAM	**Represented Test Vehicle Model**	1500 4X4

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	--	**Rechargeable Energy Storage System Indicator**	--
Rechargeable Energy Storage System	--	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AA-525	**Rated Horsepower**	395
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 eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5675	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6900	**N/V Ratio**	29.2
Axle Ratio	3.92		
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)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	85.82	-0.1391	0.041	37.43	0.3681	0.03185	24.2
US06	85.82	-0.1391	0.041	37.43	0.3681	0.03185	N/A

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Emission Control Device Comments --

Manufacturer Test Vehicle Comments Callout: 18EV-T05.75P2-1; Evaporative Vehicle

Test #	**JCRX10049387**	**Test Procedure**	**38 - CA fuel 3-day evap.**
Exhaust Test # for this Evap Test	JCRX10049355	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	06/13/2017	**Fuel**	Gasoline
Fuel Batch ID	10465	**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	4253	**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)	0.48023	--

Manufacturer Test Comments Callout: 18EV-T05.75P2-1; Cert 3-Day/Evap confirmatory; (cE10) Hot_Soak_HC_(g) = 0.08541, Diurnal (g) = 0.35925; Total =(0.44466 X 1.08) = 0.48023 (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	0.4802	0.0090	0.489	0.500	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.4802	0.0090	0.489	0.500	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**JCRX91003631**	**Test Procedure**	**27 - California fuel 2-day evap**
Exhaust Test # for this Evap Test	JCRX91003614	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	07/21/2017	**Fuel**	Gasoline
Fuel Batch ID	24670	**Fuel Calibration Number**	380
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	4540.1	**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)	0.417621	--

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.046095, Diurnal (gHC) = 0.371526

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	0.4176	0.0057	0.423	0.500	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.4176	0.0057	0.423	0.500	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**JCRX10049386**	**Test Procedure**	**37 - California Fuel Running Loss**
Exhaust Test # for this Evap Test	JCRX10049382	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	06/07/2017	**Fuel**	Gasoline
Fuel Batch ID	10463	**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	4199	**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)	0.00025	--

Manufacturer Test Comments Callout: 18EV-T05.75P2-1; 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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**JCRX10049390**	**Test Procedure**	**24 - Federal fuel refueling test (ORVR)**
Exhaust Test # for this Evap Test	JCRX10049383	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	07/09/2017	**Fuel**	Gasoline
Fuel Batch ID	10465	**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	4404	**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)	0.036	--

Manufacturer Test Comments Callout: 18EV-T05.75P2-1; 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	0.036	0.000	0.04	0.20	Pass
CA	150,000 miles	Other	HC	0.036	0.000	0.04	0.20	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**JCRX10074521**	**Test Procedure**	**65 - Evap Canister Bleed Test**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	02/28/2017	**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)	0.008	--

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	0.0080	0.0000	0.008	0.020	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.0080	0.0000	0.008	0.020	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Emission Data Vehicle Information

Vehicle ID / Configuration	V9DS69205 / 2	**Manufacturer Vehicle Configuration Number**	2
Original Test Group Name	NCRXT05.75P0	**Original Evaporative/Refueling Family**	NCRXR0225RP1
Original Test Vehicle Model Year	2022		

Vehicle Model

Represented Test Vehicle Make	RAM	**Represented Test Vehicle Model**	1500 Classic 4X4

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	--	**Rechargeable Energy Storage System Indicator**	--
Rechargeable Energy Storage System	--	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AA-J75	**Rated Horsepower**	395
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 eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5445	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6900	**N/V Ratio**	28.9
Axle Ratio	3.92		
Transmission Type	Automatic	**# of Transmission Gears**	8
Transmission Lockup	Yes	**Creeper Gear**	No

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0225RR1

Dynamometer Coefficients:

Coefficient Category	Target Coefficients A (lbf)	Target Coefficients B (lbf/mph)	Target Coefficients C (lbf/mph**2)	Set Coefficients A (lbf)	Set Coefficients B (lbf/mph)	Set Coefficients C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
City/Highway/Evap	83	-0.1404	0.04131	36.16	0.2292	0.03447	23.9
Cold CO	91.3	-0.1544	0.04544	42.78	-0.0597	0.04002	N/A
US06	83	-0.1404	0.04131	36.16	0.2292	0.03447	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments callout: 22RC-526-2

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**NCRX10073215**	**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	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5541	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	585.51	--
FE BAG 1 (Bag 1 Fuel Economy)	14.79	14.79
CO2 BAG 2 (Bag 2 Carbon Dioxide)	585.49	--
FE BAG 2 (Bag 2 Fuel Economy)	14.87	14.87
CO2 BAG 3 (Bag 3 Carbon Dioxide)	511.21	--
FE BAG 3 (Bag 3 Fuel Economy)	16.99	16.99
METHANE (CH4 - Methane)	0.004211	--
CO (Carbon Monoxide)	0.404119	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.331	--
DT-EER (Drive Trace Energy Economy Rating)	0.2826	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.784	--
MFR FE (Manufacturer Fuel Economy)	15.4	15.4
NOX (Nitrogen Oxide)	0.030863	--
N2O (Nitrous Oxide)	0.00004	--
HC-NM (Non-methane Hydrocarbon)	0.007933	--
NMOG (Non-methane organic gases)	0.008715	--
PM (Particulate Matter)	0.001324	--
HC-TOTAL (Total Hydrocarbon)	0.011676	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0225RR1

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	566	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	565.06141	--

Manufacturer Test Comments 22RC-526-2 city 4k Auto WLTP cE10

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 70	CO	0.40	--	--	--	0.12	1	0.5	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO-COMP	0.86	--	--	--	0.12	1	0.9	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	METHANE	0.0042	--	--	--	0.0094	1	0.014	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	N2O	0.0000	--	--	--	0.0009	1	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0087	--	--	--	0.0027	1	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0396	--	--	--	--	--	0.048	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX-COMP	0.0380	--	--	--	0.008	1	0.038	0.080	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0309	--	--	--	0.0053	1	0.036	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0013	--	--	--	0.0000	1	0.001	0.003	Pass
CA	150,000 miles	Other	CO	0.40	--	--	--	0.12	1	0.5	1.7	Pass
CA	150,000 miles	Other	CO-COMP	0.86	--	--	--	0.12	1	0.9	4.2	Pass
CA	150,000 miles	Other	METHANE	0.0042	--	--	--	0.0094	1	0.014	0.030	Pass
CA	150,000 miles	Other	N2O	0.0000	--	--	--	0.0009	1	0.001	0.010	Pass
CA	150,000 miles	Other	NMOG	0.0087	--	--	--	0.0027	1	0.011	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0396	--	--	--	--	--	0.048	0.070	Pass
CA	150,000 miles	Other	NMOG+NOX-COMP	0.0380	--	--	--	0.008	1	0.038	0.080	Pass
CA	150,000 miles	Other	NOX	0.0309	--	--	--	0.0053	1	0.036	999.999	Pass
CA	150,000 miles	Other	PM	0.0013	--	--	--	0.0000	1	0.001	0.003	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**NCRX10073219**	**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	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5611	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	597.7	--
FE BAG 1 (Bag 1 Fuel Economy)	14.47	14.47
CO2 BAG 2 (Bag 2 Carbon Dioxide)	591.02	--
FE BAG 2 (Bag 2 Fuel Economy)	14.71	14.71
CO2 BAG 3 (Bag 3 Carbon Dioxide)	514.55	--
FE BAG 3 (Bag 3 Fuel Economy)	16.86	16.86
METHANE (CH4 - Methane)	0.003033	--
CO (Carbon Monoxide)	0.544647	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.2167	--
DT-EER (Drive Trace Energy Economy Rating)	0.825	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.0096	--
MFR FE (Manufacturer Fuel Economy)	15.2	15.2
NOX (Nitrogen Oxide)	0.02339	--
N2O (Nitrous Oxide)	0.002734	--
HC-NM (Non-methane Hydrocarbon)	0.010069	--
NMOG (Non-methane organic gases)	0.011061	--
PM (Particulate Matter)	0.000806	--
HC-TOTAL (Total Hydrocarbon)	0.012758	--

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0225RR1

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	572	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	571.38802	--

Manufacturer Test Comments 22RC-526-2 city confirmatory 4k Auto WLTP cE10

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.54	--	--	--	0.12	1	0.7	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	METHANE	0.0030	--	--	--	0.0094	1	0.012	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	N2O	0.0027	--	--	--	0.0009	1	0.004	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0111	--	--	--	0.0027	1	0.014	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0345	--	--	--	--	--	0.042	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0234	--	--	--	0.0053	1	0.029	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0008	--	--	--	0.0000	1	0.001	0.003	Pass
CA	150,000 miles	Other	CO	0.54	--	--	--	0.12	1	0.7	1.7	Pass
CA	150,000 miles	Other	METHANE	0.0030	--	--	--	0.0094	1	0.012	0.030	Pass
CA	150,000 miles	Other	N2O	0.0027	--	--	--	0.0009	1	0.004	0.010	Pass
CA	150,000 miles	Other	NMOG	0.0111	--	--	--	0.0027	1	0.014	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0345	--	--	--	--	--	0.042	0.070	Pass
CA	150,000 miles	Other	NOX	0.0234	--	--	--	0.0053	1	0.029	999.999	Pass
CA	150,000 miles	Other	PM	0.0008	--	--	--	0.0000	1	0.001	0.003	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**NCRX10073222**	**Test Procedure**	**11 - Cold CO**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	01/12/2022	**Fuel**	Gasoline
Fuel Batch ID	10987	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CTC		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5683	**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)	708.27	--
FE BAG 1 (Bag 1 Fuel Economy)	11.7	11.7
CO2 BAG 2 (Bag 2 Carbon Dioxide)	618.12	--
FE BAG 2 (Bag 2 Fuel Economy)	13.79	13.79
CO2 BAG 3 (Bag 3 Carbon Dioxide)	533.92	--
FE BAG 3 (Bag 3 Fuel Economy)	15.94	15.94
METHANE (CH4 - Methane)	0.019239	--
CO (Carbon Monoxide)	2.30863	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.681	--
DT-EER (Drive Trace Energy Economy Rating)	0.1408	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.71	--
MFR FE (Manufacturer Fuel Economy)	13.8	13.8
NOX (Nitrogen Oxide)	0.025915	--
HC-NM (Non-methane Hydrocarbon)	0.289887	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	619	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	613.68263	--

Manufacturer Test Comments 22RC-526-2 city 4k Auto Fixed CCO

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0225RR1

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 70	CO	2.31	--	--	--	0.04	1	2.4	12.5	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	HC-NM	0.29	--	--	--	0.0025	1	0.3	0.4	Pass
CA	50,000 miles	Other	CO	2.31	--	--	--	0.04	1	2.4	12.5	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**NCRX10073216**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5552	**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)	0.003452	--
CO (Carbon Monoxide)	0.54916	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.345	--
DT-EER (Drive Trace Energy Economy Rating)	-0.014	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.684	--
MFR FE (Manufacturer Fuel Economy)	22.8	22.8
NOX (Nitrogen Oxide)	0.006462	--
HC-NM (Non-methane Hydrocarbon)	0.002884	--
NMOG (Non-methane organic gases)	0.002971	--
HC-TOTAL (Total Hydrocarbon)	0.006219	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	382	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	381.07523	--

Manufacturer Test Comments 22RC-526-2 hwy 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0225RR1

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0095	--	--	--	--	--	0.018	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0065	--	--	--	0.0053	1	0.012	999.999	Pass
CA	150,000 miles	Other	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0095	--	--	--	--	--	0.018	0.070	Pass
CA	150,000 miles	Other	NOX	0.0065	--	--	--	0.0053	1	0.012	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**NCRX10073217**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5579	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	849.16	--
FE BAG 1 (Bag 1 Fuel Economy)	10.23	10.23
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.69	--
FE BAG 2 (Bag 2 Fuel Economy)	17.04	17.04
METHANE (CH4 - Methane)	0.001919	--
CO (Carbon Monoxide)	1.308428	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.927	--
DT-EER (Drive Trace Energy Economy Rating)	0.0047	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.131	--
MFR FE (Manufacturer Fuel Economy)	14.9	14.9
NOX (Nitrogen Oxide)	0.0271	--
HC-NM (Non-methane Hydrocarbon)	0.002146	--
NMOG (Non-methane organic gases)	0.00221	--
PM (Particulate Matter)	0.002063	--
HC-TOTAL (Total Hydrocarbon)	0.004	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	585	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	583.24307	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0225RR1

Manufacturer Test Comments 22RC-526-2 us06 4k Auto WLTP cE10

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 70	CO	1.31	--	--	--	0.12	1	1.4	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0022	--	--	--	0.0027	1	0.005	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0271	--	--	--	0.0053	1	0.032	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0021	--	--	--	0.0000	1	0.002	0.006	Pass
CA	150,000 miles	Other	CO	1.31	--	--	--	0.12	1	1.4	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0022	--	--	--	0.0027	1	0.005	999.999	Pass
CA	150,000 miles	Other	NOX	0.0271	--	--	--	0.0053	1	0.032	999.999	Pass
CA	150,000 miles	Other	PM	0.0021	--	--	--	0.0000	1	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**NCRX10073220**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5622	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	859.29	--
FE BAG 1 (Bag 1 Fuel Economy)	10.1	10.1
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.67	--
FE BAG 2 (Bag 2 Fuel Economy)	17.07	17.07
METHANE (CH4 - Methane)	0.001422	--
CO (Carbon Monoxide)	0.985974	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.246	--
DT-EER (Drive Trace Energy Economy Rating)	-0.646	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.552	--
MFR FE (Manufacturer Fuel Economy)	14.8	14.8
NOX (Nitrogen Oxide)	0.010204	--
HC-NM (Non-methane Hydrocarbon)	0.00291	--
NMOG (Non-methane organic gases)	0.002998	--
PM (Particulate Matter)	0.002245	--
HC-TOTAL (Total Hydrocarbon)	0.004253	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	587	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	585.3822	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0225RR1

Manufacturer Test Comments 22RC-526-2 us06 confirmatory 4k Auto WLTP cE10

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 70	CO	0.99	--	--	--	0.12	1	1.1	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0102	--	--	--	0.0053	1	0.016	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0022	--	--	--	0.0000	1	0.002	0.006	Pass
CA	150,000 miles	Other	CO	0.99	--	--	--	0.12	1	1.1	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
CA	150,000 miles	Other	NOX	0.0102	--	--	--	0.0053	1	0.016	999.999	Pass
CA	150,000 miles	Other	PM	0.0022	--	--	--	0.0000	1	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**NCRX10073218**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5596	**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)	0.001921	--
CO (Carbon Monoxide)	0.629227	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.1191	--
DT-EER (Drive Trace Energy Economy Rating)	0.0304	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.197	--
MFR FE (Manufacturer Fuel Economy)	13.4	13.4
NOX (Nitrogen Oxide)	0.021506	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.001243	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	647	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	645.67443	--

Manufacturer Test Comments 22RC-526-2 sc03 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0225RR1

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.63	--	--	--	0.12	1	0.8	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0215	--	--	--	0.0053	1	0.027	999.999	Pass
CA	150,000 miles	Other	CO	0.63	--	--	--	0.12	1	0.8	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
CA	150,000 miles	Other	NOX	0.0215	--	--	--	0.0053	1	0.027	999.999	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Test #	**NCRX10073221**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5638	**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)	0.00276	--
CO (Carbon Monoxide)	0.680454	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.123	--
DT-EER (Drive Trace Energy Economy Rating)	-0.214	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.895	--
MFR FE (Manufacturer Fuel Economy)	14.6	14.6
NOX (Nitrogen Oxide)	0.020553	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.002616	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	596	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	595.48276	--

Manufacturer Test Comments 22RC-526-2 sc03 confirmatory 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0225RR1

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.68	--	--	--	0.12	1	0.8	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0206	--	--	--	0.0053	1	0.026	999.999	Pass
CA	150,000 miles	Other	CO	0.68	--	--	--	0.12	1	0.8	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
CA	150,000 miles	Other	NOX	0.0206	--	--	--	0.0053	1	0.026	999.999	Pass

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Fuel Properties

Fuel Batch ID	**24670**	**Fuel Calibration Number**	**380**
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	**11035**	**Fuel Calibration Number**	**1**
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	**Fuel Batch Calibration Date**	10/27/2021
Fuel Batch Calibration Effective Date	10/27/2021	**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 (%)	9.6	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17962
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	**10465**	**Fuel Calibration Number**	**1**
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	**Fuel Batch Calibration Date**	06/13/2017
Fuel Batch Calibration Effective Date	06/13/2017	**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**	0.749
Fuel Ethanol Volume Percent (%)	9.7	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17987
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**	--

Fuel Batch ID	**10987**	**Fuel Calibration Number**	**1**
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	**Fuel Batch Calibration Date**	06/18/2021
Fuel Batch Calibration Effective Date	06/18/2021	**Fuel Batch Calibration Ineffective Date**	--
Carbon Weight Fraction NMHC	0.827	**Carbon Weight Fraction HC**	--
Exhaust Carbon Weight Fraction	--	**Fuel Methanol Volume Fraction**	0

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1
Fuel Density (grams/cubic ft)	--	**Fuel Specific Gravity**	0.744
Fuel Ethanol Volume Percent (%)	9.3	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17922
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	**10463**	**Fuel Calibration Number**	**1**
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	**Fuel Batch Calibration Date**	05/30/2017
Fuel Batch Calibration Effective Date	05/30/2017	**Fuel Batch Calibration Ineffective Date**	--
Carbon Weight Fraction NMHC	0.813	**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 (%)	10	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17820
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	**Fuel Carbon Mass Fraction (E10)**	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.813	**Weight Fraction CO2**	--

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Consolidated List of Standards

Exhaust Standards

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	1.7
150,000 miles	CO-COMP	--	--	--	--	--	1	0.12	4.2
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0.008	0.080
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.003

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.006

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1
Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.006

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1
Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.12	1.7
150,000 miles	CO-COMP	--	--	--	--	--	1	0.12	4.2
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0.008	0.080
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.003

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1
Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	CO	--	--	--	--	--	1	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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
4,000 miles	CO	--	--	--	0	0	1	0.12	1.7
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0225RR1

Cert Region California + CAA Section 177 states **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region California + CAA Section 177 states **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.04	12.5

Cert Region Federal **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) **Standard Level** Federal Tier 3 Bin 70

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	0.04	12.5
150,000 miles	HC-NM	--	--	--	--	--	1	0.0025	0.4

Evaporative/Refueling Standards

Evaporative/Refueling Family VCRXR0225RR1 **Cert Region** Federal

Cert/In-Use Code Cert **Standard Level** Federal Tier 3 Evap

Test Procedure California fuel 2-day evap

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

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0225RR1

Evaporative/Refueling Family VCRXR0225RR1 **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 VCRXR0225RR1 **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 VCRXR0225RR1 **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 VCRXR0225RR1 **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 VCRXR0225RR1 **Cert Region** California + CAA Section 177 states
Cert/In-Use Code Cert **Standard Level** Other
Test Procedure CA fuel 3-day evap.

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

Evaporative/Refueling Family VCRXR0225RR1 **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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1

Evaporative/Refueling Family	VCRXR0225RR1	**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	VCRXR0225RR1	**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	VCRXR0225RR1	**Cert Region**	California + CAA Section 177 states
Cert/In-Use Code	Cert	**Standard Level**	Other
Test Procedure	California fuel 2-day evap		

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

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0225RR1

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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1
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

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1
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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0225RR1
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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1
Certificate Number	--	**CARB Executive Order #**	--
Certificate Issue Date	--	**Certificate Revision Date**	--
Certificate Effective Date	--	**Conditional Certificate**	--
CSI Revision #	--	**CSI Submission/Revision Date**	05/21/2026 04:08:04 PM
Model Year	2027		

Test Group Information

CSI Type	Running Change	**Running Change Reference Number**	27RC-022
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**	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	VCRXGPGNNF08	**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	07/27/2026	**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**	3
OBD Deficiencies Comments	1) SAE International (SAE) J1979-2 Implementation 2) Adaptive cruise control and parallel park systems default action, if equipped 3) Purge flow monitor low in use monitor performance ration (IUMPR)		
Mfr Test Group Comments	T4iBIN70 E10 - City Litmus Value: 13.2; City Litmus Threshold: 12.5; Hwy Litmus Value: 19.4; Hwy Litmus Threshold: 18.8; 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 70 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT05.7571		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Evaporative/Refueling Family Information

Evaporative Summary Information Type	New	**Submission/Correction Date**	04/08/2026 08:45:13 AM
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?	Yes	**Air Intake System Vapor Storage Device Description**	HC Adsorber
Fuel System Vapor Storage Canister?	Yes	**Other Vapor Storage**	--
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	183	**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
VCRXR0183RR1-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	12 - RAM	920 - 1500 4X2	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	8	Yes
FCA US LLC	12 - RAM	925 - 1500 4X4	Federal	4-Wheel Drive	Automatic	8	Yes
FCA US LLC	12 - RAM	920 - 1500 4X2	Federal	2-Wheel Drive, Rear	Automatic	8	Yes
FCA US LLC	12 - RAM	925 - 1500 4X4	California + CAA Section 177 states	4-Wheel Drive	Automatic	8	Yes
FCA US LLC	12 - RAM	926 - 1500 Rumble Bee 4x4	California + CAA Section 177 states	4-Wheel Drive	Automatic	8	Yes
FCA US LLC	12 - RAM	926 - 1500 Rumble Bee 4x4	Federal	4-Wheel Drive	Automatic	8	Yes

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

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**	SAE 0W-20
Number of Cylinders/Rotors	8	**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	Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Rhodium	Ceramic	Monolith

Mfr After Treatment Device (ATD) Comments	TWC
Direct Ozone Reduction (DOR) Device	Not Equipped
Mfr Emission Control Device Comments	--

Engine Configuration Number 1

Engine Displacement (liters)	5.7	**Engine Rated Horsepower**	392
Number of Inlet Valves Per Cylinder	1	**Number of Exhaust Valves Per Cylinder**	1
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	Yes		
Cylinder Deactivation Description	Solenoids		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Cam phasers		
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	No	**Cooled Exhaust Gas Recirculation**	No
EGR Type	--	**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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Engine Configuration Number 2

Engine Displacement (liters)	5.7	**Engine Rated Horsepower**	357
Number of Inlet Valves Per Cylinder	1	**Number of Exhaust Valves Per Cylinder**	1
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	Yes		
Cylinder Deactivation Description	Solenoids		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Cam phasers		
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	No	**Cooled Exhaust Gas Recirculation**	No
EGR Type	--	**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	NCRX10073215	NCRX10073217	NCRX10073218	NCRX10073222	NCRX10073216	14.6	228.2	20.6	286.1	1.0

SFTP LEV-III Official Test Numbers

Test Group Fuel	FTP	US06	SC03
Gasoline	NCRX10073215	NCRX10073217	NCRX10073218

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Emission Data Vehicle Information

Vehicle ID / Configuration	V7DS61975 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	JCRXT03.65PB	**Original Evaporative/Refueling Family**	JCRXR0183RPA
Original Test Vehicle Model Year	2018		

Vehicle Model

Represented Test Vehicle Make	RAM	**Represented Test Vehicle Model**	1500 4X4

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Combustion Engine	Gasoline, Ethanol

Hybrid Indicator	No		
Multiple Fuel Storage	Fuels Stored Together	**Multiple Fuel Combustion**	Fuels Combusted Together
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-375	**Rated Horsepower**	305
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	N/A	**Drive Mode While Testing**	2-Wheel Drive, Rear
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5292	**Equivalent Test Weight (pounds)**	5500
GVWR (lbs)	6800	**N/V Ratio**	27.7
Axle Ratio	3.92		
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)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	66.55	0.0068	0.04572	18.55	0.4592	0.03779	24.2
US06	66.55	0.0068	0.04572	18.55	0.4592	0.03779	N/A

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Emission Control Device Comments --

Manufacturer Test Vehicle Comments Callout: 18EV-T03.65PB-2; Evap; LVW

Test #	**JCRX10049480**	**Test Procedure**	**27 - California fuel 2-day evap**
Exhaust Test # for this Evap Test	JCRX10049477	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	06/16/2017	**Fuel**	Gasoline
Fuel Batch ID	10465	**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	4048	**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)	0.40651	--

Manufacturer Test Comments Callout: 18EV-T03.65PB-2; Cert 2-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.03134, Diurnal (g) = 0.34506; Total =(0.3764 X 1.08) = 0.40651 (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	0.4065	0.0057	0.412	0.500	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.4065	0.0057	0.412	0.500	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**JCRX10049481**	**Test Procedure**	**38 - CA fuel 3-day evap.**
Exhaust Test # for this Evap Test	JCRX10049478	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	06/23/2017	**Fuel**	Gasoline
Fuel Batch ID	10465	**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	4155	**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)	0.30129	--

Manufacturer Test Comments Callout: 18EV-T03.65PB-2; Cert 3-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.04999 , Diurnal (g) = 0.22898; Total =(0.27897 X 1.08) = 0.30129 (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	0.3013	0.0090	0.310	0.500	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.3013	0.0090	0.310	0.500	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**JCRX10049482**	**Test Procedure**	**37 - California Fuel Running Loss**
Exhaust Test # for this Evap Test	JCRX10049478	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	06/23/2017	**Fuel**	Gasoline
Fuel Batch ID	10465	**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	4138	**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)	0.00012	--

Manufacturer Test Comments Callout: 18EV-T03.65PB-2; Cert 3-Day/Evap (cE10) RL =0.00012 g/mile

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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**JCRX10049483**	**Test Procedure**	**24 - Federal fuel refueling test (ORVR)**
Exhaust Test # for this Evap Test	JCRX10049479	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	07/08/2017	**Fuel**	Gasoline
Fuel Batch ID	10465	**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	4298	**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)	0.03	--

Manufacturer Test Comments Callout: 18EV-T03.65PB-2; Cert ORVR(cE10)=0.030 g/gallons

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	0.030	0.000	0.03	0.20	Pass
CA	150,000 miles	Other	HC	0.030	0.000	0.03	0.20	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**JCRX10074520**	**Test Procedure**	**65 - Evap Canister Bleed Test**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	03/10/2017	**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)	0.0058	--

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	0.0058	0.0000	0.006	0.020	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.0058	0.0000	0.006	0.020	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Emission Data Vehicle Information

Vehicle ID / Configuration	V9DS69205 / 2	**Manufacturer Vehicle Configuration Number**	2
Original Test Group Name	NCRXT05.75P0	**Original Evaporative/Refueling Family**	NCRXR0225RP1
Original Test Vehicle Model Year	2022		

Vehicle Model

Represented Test Vehicle Make	RAM	**Represented Test Vehicle Model**	1500 Classic 4X4

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	--	**Rechargeable Energy Storage System Indicator**	--
Rechargeable Energy Storage System	--	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AA-J75	**Rated Horsepower**	395
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 eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5445	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6900	**N/V Ratio**	28.9
Axle Ratio	3.92		
Transmission Type	Automatic	**# of Transmission Gears**	8
Transmission Lockup	Yes	**Creeper Gear**	No

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0183RR1

Dynamometer Coefficients:

Coefficient Category	Target Coefficients A (lbf)	Target Coefficients B (lbf/mph)	Target Coefficients C (lbf/mph**2)	Set Coefficients A (lbf)	Set Coefficients B (lbf/mph)	Set Coefficients C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
City/Highway/Evap	83	-0.1404	0.04131	36.16	0.2292	0.03447	23.9
Cold CO	91.3	-0.1544	0.04544	42.78	-0.0597	0.04002	N/A
US06	83	-0.1404	0.04131	36.16	0.2292	0.03447	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments callout: 22RC-526-2

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**NCRX10073215**	**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	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5541	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	585.51	--
FE BAG 1 (Bag 1 Fuel Economy)	14.79	14.79
CO2 BAG 2 (Bag 2 Carbon Dioxide)	585.49	--
FE BAG 2 (Bag 2 Fuel Economy)	14.87	14.87
CO2 BAG 3 (Bag 3 Carbon Dioxide)	511.21	--
FE BAG 3 (Bag 3 Fuel Economy)	16.99	16.99
METHANE (CH4 - Methane)	0.004211	--
CO (Carbon Monoxide)	0.404119	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.331	--
DT-EER (Drive Trace Energy Economy Rating)	0.2826	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.784	--
MFR FE (Manufacturer Fuel Economy)	15.4	15.4
NOX (Nitrogen Oxide)	0.030863	--
N2O (Nitrous Oxide)	0.00004	--
HC-NM (Non-methane Hydrocarbon)	0.007933	--
NMOG (Non-methane organic gases)	0.008715	--
PM (Particulate Matter)	0.001324	--
HC-TOTAL (Total Hydrocarbon)	0.011676	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	566	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	565.06141	--

Manufacturer Test Comments 22RC-526-2 city 4k Auto WLTP cE10

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.40	--	--	--	0.12	1	0.5	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO-COMP	0.86	--	--	--	0.12	1	0.9	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	METHANE	0.0042	--	--	--	0.0094	1	0.014	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	N2O	0.0000	--	--	--	0.0009	1	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0087	--	--	--	0.0027	1	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0396	--	--	--	--	--	0.048	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX-COMP	0.0380	--	--	--	0.008	1	0.038	0.080	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0309	--	--	--	0.0053	1	0.036	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0013	--	--	--	0.0000	1	0.001	0.003	Pass
CA	150,000 miles	Other	CO	0.40	--	--	--	0.12	1	0.5	1.7	Pass
CA	150,000 miles	Other	CO-COMP	0.86	--	--	--	0.12	1	0.9	4.2	Pass
CA	150,000 miles	Other	METHANE	0.0042	--	--	--	0.0094	1	0.014	0.030	Pass
CA	150,000 miles	Other	N2O	0.0000	--	--	--	0.0009	1	0.001	0.010	Pass
CA	150,000 miles	Other	NMOG	0.0087	--	--	--	0.0027	1	0.011	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0396	--	--	--	--	--	0.048	0.070	Pass
CA	150,000 miles	Other	NMOG+NOX-COMP	0.0380	--	--	--	0.008	1	0.038	0.080	Pass
CA	150,000 miles	Other	NOX	0.0309	--	--	--	0.0053	1	0.036	999.999	Pass
CA	150,000 miles	Other	PM	0.0013	--	--	--	0.0000	1	0.001	0.003	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**NCRX10073219**	**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	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5611	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	597.7	--
FE BAG 1 (Bag 1 Fuel Economy)	14.47	14.47
CO2 BAG 2 (Bag 2 Carbon Dioxide)	591.02	--
FE BAG 2 (Bag 2 Fuel Economy)	14.71	14.71
CO2 BAG 3 (Bag 3 Carbon Dioxide)	514.55	--
FE BAG 3 (Bag 3 Fuel Economy)	16.86	16.86
METHANE (CH4 - Methane)	0.003033	--
CO (Carbon Monoxide)	0.544647	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.2167	--
DT-EER (Drive Trace Energy Economy Rating)	0.825	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.0096	--
MFR FE (Manufacturer Fuel Economy)	15.2	15.2
NOX (Nitrogen Oxide)	0.02339	--
N2O (Nitrous Oxide)	0.002734	--
HC-NM (Non-methane Hydrocarbon)	0.010069	--
NMOG (Non-methane organic gases)	0.011061	--
PM (Particulate Matter)	0.000806	--
HC-TOTAL (Total Hydrocarbon)	0.012758	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	572	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	571.38802	--

Manufacturer Test Comments 22RC-526-2 city confirmatory 4k Auto WLTP cE10

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.54	--	--	--	0.12	1	0.7	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	METHANE	0.0030	--	--	--	0.0094	1	0.012	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	N2O	0.0027	--	--	--	0.0009	1	0.004	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0111	--	--	--	0.0027	1	0.014	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0345	--	--	--	--	--	0.042	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0234	--	--	--	0.0053	1	0.029	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0008	--	--	--	0.0000	1	0.001	0.003	Pass
CA	150,000 miles	Other	CO	0.54	--	--	--	0.12	1	0.7	1.7	Pass
CA	150,000 miles	Other	METHANE	0.0030	--	--	--	0.0094	1	0.012	0.030	Pass
CA	150,000 miles	Other	N2O	0.0027	--	--	--	0.0009	1	0.004	0.010	Pass
CA	150,000 miles	Other	NMOG	0.0111	--	--	--	0.0027	1	0.014	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0345	--	--	--	--	--	0.042	0.070	Pass
CA	150,000 miles	Other	NOX	0.0234	--	--	--	0.0053	1	0.029	999.999	Pass
CA	150,000 miles	Other	PM	0.0008	--	--	--	0.0000	1	0.001	0.003	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**NCRX10073222**	**Test Procedure**	**11 - Cold CO**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	01/12/2022	**Fuel**	Gasoline
Fuel Batch ID	10987	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CTC		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5683	**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)	708.27	--
FE BAG 1 (Bag 1 Fuel Economy)	11.7	11.7
CO2 BAG 2 (Bag 2 Carbon Dioxide)	618.12	--
FE BAG 2 (Bag 2 Fuel Economy)	13.79	13.79
CO2 BAG 3 (Bag 3 Carbon Dioxide)	533.92	--
FE BAG 3 (Bag 3 Fuel Economy)	15.94	15.94
METHANE (CH4 - Methane)	0.019239	--
CO (Carbon Monoxide)	2.30863	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.681	--
DT-EER (Drive Trace Energy Economy Rating)	0.1408	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.71	--
MFR FE (Manufacturer Fuel Economy)	13.8	13.8
NOX (Nitrogen Oxide)	0.025915	--
HC-NM (Non-methane Hydrocarbon)	0.289887	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	619	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	613.68263	--

Manufacturer Test Comments 22RC-526-2 city 4k Auto Fixed CCO

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

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 70	CO	2.31	--	--	--	0.04	1	2.4	12.5	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	HC-NM	0.29	--	--	--	0.0025	1	0.3	0.4	Pass
CA	50,000 miles	Other	CO	2.31	--	--	--	0.04	1	2.4	12.5	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**NCRX10073216**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5552	**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)	0.003452	--
CO (Carbon Monoxide)	0.54916	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.345	--
DT-EER (Drive Trace Energy Economy Rating)	-0.014	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.684	--
MFR FE (Manufacturer Fuel Economy)	22.8	22.8
NOX (Nitrogen Oxide)	0.006462	--
HC-NM (Non-methane Hydrocarbon)	0.002884	--
NMOG (Non-methane organic gases)	0.002971	--
HC-TOTAL (Total Hydrocarbon)	0.006219	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	382	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	381.07523	--

Manufacturer Test Comments 22RC-526-2 hwy 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

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 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0095	--	--	--	--	--	0.018	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0065	--	--	--	0.0053	1	0.012	999.999	Pass
CA	150,000 miles	Other	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0095	--	--	--	--	--	0.018	0.070	Pass
CA	150,000 miles	Other	NOX	0.0065	--	--	--	0.0053	1	0.012	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**NCRX10073217**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5579	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	849.16	--
FE BAG 1 (Bag 1 Fuel Economy)	10.23	10.23
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.69	--
FE BAG 2 (Bag 2 Fuel Economy)	17.04	17.04
METHANE (CH4 - Methane)	0.001919	--
CO (Carbon Monoxide)	1.308428	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.927	--
DT-EER (Drive Trace Energy Economy Rating)	0.0047	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.131	--
MFR FE (Manufacturer Fuel Economy)	14.9	14.9
NOX (Nitrogen Oxide)	0.0271	--
HC-NM (Non-methane Hydrocarbon)	0.002146	--
NMOG (Non-methane organic gases)	0.00221	--
PM (Particulate Matter)	0.002063	--
HC-TOTAL (Total Hydrocarbon)	0.004	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	585	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	583.24307	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

Manufacturer Test Comments 22RC-526-2 us06 4k Auto WLTP cE10

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 70	CO	1.31	--	--	--	0.12	1	1.4	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0022	--	--	--	0.0027	1	0.005	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0271	--	--	--	0.0053	1	0.032	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0021	--	--	--	0.0000	1	0.002	0.006	Pass
CA	150,000 miles	Other	CO	1.31	--	--	--	0.12	1	1.4	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0022	--	--	--	0.0027	1	0.005	999.999	Pass
CA	150,000 miles	Other	NOX	0.0271	--	--	--	0.0053	1	0.032	999.999	Pass
CA	150,000 miles	Other	PM	0.0021	--	--	--	0.0000	1	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**NCRX10073220**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5622	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	859.29	--
FE BAG 1 (Bag 1 Fuel Economy)	10.1	10.1
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.67	--
FE BAG 2 (Bag 2 Fuel Economy)	17.07	17.07
METHANE (CH4 - Methane)	0.001422	--
CO (Carbon Monoxide)	0.985974	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.246	--
DT-EER (Drive Trace Energy Economy Rating)	-0.646	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.552	--
MFR FE (Manufacturer Fuel Economy)	14.8	14.8
NOX (Nitrogen Oxide)	0.010204	--
HC-NM (Non-methane Hydrocarbon)	0.00291	--
NMOG (Non-methane organic gases)	0.002998	--
PM (Particulate Matter)	0.002245	--
HC-TOTAL (Total Hydrocarbon)	0.004253	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	587	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	585.3822	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

Manufacturer Test Comments 22RC-526-2 us06 confirmatory 4k Auto WLTP cE10

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 70	CO	0.99	--	--	--	0.12	1	1.1	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0102	--	--	--	0.0053	1	0.016	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0022	--	--	--	0.0000	1	0.002	0.006	Pass
CA	150,000 miles	Other	CO	0.99	--	--	--	0.12	1	1.1	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
CA	150,000 miles	Other	NOX	0.0102	--	--	--	0.0053	1	0.016	999.999	Pass
CA	150,000 miles	Other	PM	0.0022	--	--	--	0.0000	1	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**NCRX10073218**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5596	**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)	0.001921	--
CO (Carbon Monoxide)	0.629227	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.1191	--
DT-EER (Drive Trace Energy Economy Rating)	0.0304	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.197	--
MFR FE (Manufacturer Fuel Economy)	13.4	13.4
NOX (Nitrogen Oxide)	0.021506	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.001243	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	647	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	645.67443	--

Manufacturer Test Comments 22RC-526-2 sc03 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.63	--	--	--	0.12	1	0.8	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0215	--	--	--	0.0053	1	0.027	999.999	Pass
CA	150,000 miles	Other	CO	0.63	--	--	--	0.12	1	0.8	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
CA	150,000 miles	Other	NOX	0.0215	--	--	--	0.0053	1	0.027	999.999	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Test #	**NCRX10073221**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5638	**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)	0.00276	--
CO (Carbon Monoxide)	0.680454	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.123	--
DT-EER (Drive Trace Energy Economy Rating)	-0.214	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.895	--
MFR FE (Manufacturer Fuel Economy)	14.6	14.6
NOX (Nitrogen Oxide)	0.020553	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.002616	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	596	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	595.48276	--

Manufacturer Test Comments 22RC-526-2 sc03 confirmatory 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.68	--	--	--	0.12	1	0.8	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0206	--	--	--	0.0053	1	0.026	999.999	Pass
CA	150,000 miles	Other	CO	0.68	--	--	--	0.12	1	0.8	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
CA	150,000 miles	Other	NOX	0.0206	--	--	--	0.0053	1	0.026	999.999	Pass

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Fuel Properties

Fuel Batch ID	**11035**	**Fuel Calibration Number**	**1**
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	**Fuel Batch Calibration Date**	10/27/2021
Fuel Batch Calibration Effective Date	10/27/2021	**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 (%)	9.6	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17962
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	**10987**	**Fuel Calibration Number**	**1**
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	**Fuel Batch Calibration Date**	06/18/2021
Fuel Batch Calibration Effective Date	06/18/2021	**Fuel Batch Calibration Ineffective Date**	--
Carbon Weight Fraction NMHC	0.827	**Carbon Weight Fraction HC**	--
Exhaust Carbon Weight Fraction	--	**Fuel Methanol Volume Fraction**	0
Fuel Density (grams/cubic ft)	--	**Fuel Specific Gravity**	0.744
Fuel Ethanol Volume Percent (%)	9.3	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17922
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	**10465**	**Fuel Calibration Number**	**1**
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	**Fuel Batch Calibration Date**	06/13/2017
Fuel Batch Calibration Effective Date	06/13/2017	**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**	0.749
Fuel Ethanol Volume Percent (%)	9.7	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17987
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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Consolidated List of Standards

Exhaust Standards

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	1.7
150,000 miles	CO-COMP	--	--	--	--	--	1	0.12	4.2
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0.008	0.080
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.003

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.006

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1
Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.006

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1
Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.12	1.7
150,000 miles	CO-COMP	--	--	--	--	--	1	0.12	4.2
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0.008	0.080
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.003

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	CO	--	--	--	--	--	1	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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
4,000 miles	CO	--	--	--	0	0	1	0.12	1.7
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0183RR1

Cert Region California + CAA Section 177 states **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region California + CAA Section 177 states **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.04	12.5

Cert Region Federal **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) **Standard Level** Federal Tier 3 Bin 70

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	0.04	12.5
150,000 miles	HC-NM	--	--	--	--	--	1	0.0025	0.4

Evaporative/Refueling Standards

Evaporative/Refueling Family VCRXR0183RR1 **Cert Region** California + CAA Section 177 states

Cert/In-Use Code Cert **Standard Level** Other

Test Procedure California fuel 2-day evap

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

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0183RR1

Evaporative/Refueling Family VCRXR0183RR1 **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 VCRXR0183RR1 **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 VCRXR0183RR1 **Cert Region** California + CAA Section 177 states
Cert/In-Use Code Cert **Standard Level** Other
Test Procedure CA fuel 3-day evap.

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

Evaporative/Refueling Family VCRXR0183RR1 **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 VCRXR0183RR1 **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 VCRXR0183RR1 **Cert Region** Federal
Cert/In-Use Code Cert **Standard Level** Federal Tier 3 Evap
Test Procedure California fuel 2-day evap

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

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1

Evaporative/Refueling Family	VCRXR0183RR1	**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	VCRXR0183RR1	**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	VCRXR0183RR1	**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	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0183RR1

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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1
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

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1
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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0183RR1
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	VCRXT05.7571	**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**	05/21/2026 04:08:04 PM
Model Year	2027		

Test Group Information

CSI Type	Running Change	**Running Change Reference Number**	27RC-022
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**	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	VCRXGPGNNF08	**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	07/27/2026	**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**	3
OBD Deficiencies Comments	1) SAE International (SAE) J1979-2 Implementation 2) Adaptive cruise control and parallel park systems default action, if equipped 3) Purge flow monitor low in use monitor performance ration (IUMPR)		
Mfr Test Group Comments	T4iBIN70 E10 - City Litmus Value: 13.2; City Litmus Threshold: 12.5; Hwy Litmus Value: 19.4; Hwy Litmus Threshold: 18.8; 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 70 standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT05.7571		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VCRXT05.7571	**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	--

Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
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
FCA US LLC	2 - Dodge	297 - Durango Pursuit AWD	Federal	All Wheel Drive	Automatic	8	Yes
FCA US LLC	2 - Dodge	297 - Durango Pursuit AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	8	Yes

Engine Description

Hybrid Type	--	**Hybrid Description**	--
Engine Type	4-Stroke Spark Ignition	**Mfr Engine Description**	--
Engine Block Arrangement	V-shaped engine	**Mfr Engine Block Arrangement Description**	--
Camless Valvetrain Indicator	No	**Oil Viscosity/Classification**	SAE 0W-20
Number of Cylinders/Rotors	8	**Mechanically Variable Compression Ratio Indicator**	N

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

After Treatment Device(s) (ATD)

ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Rhodium	Ceramic	Monolith

Mfr After Treatment Device (ATD) Comments	TWC
Direct Ozone Reduction (DOR) Device	Not Equipped
Mfr Emission Control Device Comments	--

Engine Configuration Number 1

Engine Displacement (liters)	5.7	**Engine Rated Horsepower**	392
Number of Inlet Valves Per Cylinder	1	**Number of Exhaust Valves Per Cylinder**	1
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	Yes		
Cylinder Deactivation Description	Solenoids		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Cam phasers		
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	No	**Cooled Exhaust Gas Recirculation**	No
EGR Type	--	**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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Engine Configuration Number 2

Engine Displacement (liters)	5.7	**Engine Rated Horsepower**	357
Number of Inlet Valves Per Cylinder	1	**Number of Exhaust Valves Per Cylinder**	1
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	Yes		
Cylinder Deactivation Description	Solenoids		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Cam phasers		
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	No	**Cooled Exhaust Gas Recirculation**	No
EGR Type	--	**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	NCRX10073215	NCRX10073217	NCRX10073218	NCRX10073222	NCRX10073216	14.6	228.2	20.6	286.1	1.0

SFTP LEV-III Official Test Numbers

Test Group Fuel	FTP	US06	SC03
Gasoline	NCRX10073215	NCRX10073217	NCRX10073218

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Emission Data Vehicle Information

Vehicle ID / Configuration	L0WDE8893 / 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

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 eqipped	**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)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	58.52	-0.0333	0.03035	17.93	0.4549	0.02288	17.7

Emission Control Device Comments --

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

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

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

Test Results

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

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

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

Certification Summary Information Report

Test Group	VCRXT05.7571	**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 Gasoline
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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

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

Test Results

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

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

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

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

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

Test Results

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

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

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

Certification Summary Information Report

Test Group	VCRXT05.7571	**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 Gasoline
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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Emission Data Vehicle Information

Vehicle ID / Configuration	V9DS69205 / 2	**Manufacturer Vehicle Configuration Number**	2
Original Test Group Name	NCRXT05.75P0	**Original Evaporative/Refueling Family**	NCRXR0225RP1
Original Test Vehicle Model Year	2022		

Vehicle Model

Represented Test Vehicle Make	RAM	**Represented Test Vehicle Model**	1500 Classic 4X4

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	--	**Rechargeable Energy Storage System Indicator**	--
Rechargeable Energy Storage System	--	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AA-J75	**Rated Horsepower**	395
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 eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5445	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6900	**N/V Ratio**	28.9
Axle Ratio	3.92		
Transmission Type	Automatic	**# of Transmission Gears**	8
Transmission Lockup	Yes	**Creeper Gear**	No

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0204RR0

Dynamometer Coefficients:

Coefficient Category	Target Coefficients A (lbf)	Target Coefficients B (lbf/mph)	Target Coefficients C (lbf/mph**2)	Set Coefficients A (lbf)	Set Coefficients B (lbf/mph)	Set Coefficients C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
City/Highway/Evap	83	-0.1404	0.04131	36.16	0.2292	0.03447	23.9
Cold CO	91.3	-0.1544	0.04544	42.78	-0.0597	0.04002	N/A
US06	83	-0.1404	0.04131	36.16	0.2292	0.03447	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments callout: 22RC-526-2

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Test #	**NCRX10073215**	**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	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5541	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	585.51	--
FE BAG 1 (Bag 1 Fuel Economy)	14.79	14.79
CO2 BAG 2 (Bag 2 Carbon Dioxide)	585.49	--
FE BAG 2 (Bag 2 Fuel Economy)	14.87	14.87
CO2 BAG 3 (Bag 3 Carbon Dioxide)	511.21	--
FE BAG 3 (Bag 3 Fuel Economy)	16.99	16.99
METHANE (CH4 - Methane)	0.004211	--
CO (Carbon Monoxide)	0.404119	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.331	--
DT-EER (Drive Trace Energy Economy Rating)	0.2826	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.784	--
MFR FE (Manufacturer Fuel Economy)	15.4	15.4
NOX (Nitrogen Oxide)	0.030863	--
N2O (Nitrous Oxide)	0.00004	--
HC-NM (Non-methane Hydrocarbon)	0.007933	--
NMOG (Non-methane organic gases)	0.008715	--
PM (Particulate Matter)	0.001324	--
HC-TOTAL (Total Hydrocarbon)	0.011676	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0204RR0

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	566	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	565.06141	--

Manufacturer Test Comments 22RC-526-2 city 4k Auto WLTP cE10

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 70	CO	0.40	--	--	--	0.12	1	0.5	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO-COMP	0.86	--	--	--	0.12	1	0.9	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	METHANE	0.0042	--	--	--	0.0094	1	0.014	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	N2O	0.0000	--	--	--	0.0009	1	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0087	--	--	--	0.0027	1	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0396	--	--	--	--	--	0.048	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX-COMP	0.0380	--	--	--	0.008	1	0.038	0.080	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0309	--	--	--	0.0053	1	0.036	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0013	--	--	--	0.0000	1	0.001	0.003	Pass
CA	150,000 miles	Other	CO	0.40	--	--	--	0.12	1	0.5	1.7	Pass
CA	150,000 miles	Other	CO-COMP	0.86	--	--	--	0.12	1	0.9	4.2	Pass
CA	150,000 miles	Other	METHANE	0.0042	--	--	--	0.0094	1	0.014	0.030	Pass
CA	150,000 miles	Other	N2O	0.0000	--	--	--	0.0009	1	0.001	0.010	Pass
CA	150,000 miles	Other	NMOG	0.0087	--	--	--	0.0027	1	0.011	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0396	--	--	--	--	--	0.048	0.070	Pass
CA	150,000 miles	Other	NMOG+NOX-COMP	0.0380	--	--	--	0.008	1	0.038	0.080	Pass
CA	150,000 miles	Other	NOX	0.0309	--	--	--	0.0053	1	0.036	999.999	Pass
CA	150,000 miles	Other	PM	0.0013	--	--	--	0.0000	1	0.001	0.003	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Test #	**NCRX10073219**	**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	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5611	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	597.7	--
FE BAG 1 (Bag 1 Fuel Economy)	14.47	14.47
CO2 BAG 2 (Bag 2 Carbon Dioxide)	591.02	--
FE BAG 2 (Bag 2 Fuel Economy)	14.71	14.71
CO2 BAG 3 (Bag 3 Carbon Dioxide)	514.55	--
FE BAG 3 (Bag 3 Fuel Economy)	16.86	16.86
METHANE (CH4 - Methane)	0.003033	--
CO (Carbon Monoxide)	0.544647	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.2167	--
DT-EER (Drive Trace Energy Economy Rating)	0.825	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.0096	--
MFR FE (Manufacturer Fuel Economy)	15.2	15.2
NOX (Nitrogen Oxide)	0.02339	--
N2O (Nitrous Oxide)	0.002734	--
HC-NM (Non-methane Hydrocarbon)	0.010069	--
NMOG (Non-methane organic gases)	0.011061	--
PM (Particulate Matter)	0.000806	--
HC-TOTAL (Total Hydrocarbon)	0.012758	--

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0204RR0

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	572	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	571.38802	--

Manufacturer Test Comments 22RC-526-2 city confirmatory 4k Auto WLTP cE10

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.54	--	--	--	0.12	1	0.7	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	METHANE	0.0030	--	--	--	0.0094	1	0.012	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	N2O	0.0027	--	--	--	0.0009	1	0.004	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0111	--	--	--	0.0027	1	0.014	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0345	--	--	--	--	--	0.042	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0234	--	--	--	0.0053	1	0.029	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0008	--	--	--	0.0000	1	0.001	0.003	Pass
CA	150,000 miles	Other	CO	0.54	--	--	--	0.12	1	0.7	1.7	Pass
CA	150,000 miles	Other	METHANE	0.0030	--	--	--	0.0094	1	0.012	0.030	Pass
CA	150,000 miles	Other	N2O	0.0027	--	--	--	0.0009	1	0.004	0.010	Pass
CA	150,000 miles	Other	NMOG	0.0111	--	--	--	0.0027	1	0.014	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0345	--	--	--	--	--	0.042	0.070	Pass
CA	150,000 miles	Other	NOX	0.0234	--	--	--	0.0053	1	0.029	999.999	Pass
CA	150,000 miles	Other	PM	0.0008	--	--	--	0.0000	1	0.001	0.003	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Test #	**NCRX10073222**	**Test Procedure**	**11 - Cold CO**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	01/12/2022	**Fuel**	Gasoline
Fuel Batch ID	10987	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CTC		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5683	**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)	708.27	--
FE BAG 1 (Bag 1 Fuel Economy)	11.7	11.7
CO2 BAG 2 (Bag 2 Carbon Dioxide)	618.12	--
FE BAG 2 (Bag 2 Fuel Economy)	13.79	13.79
CO2 BAG 3 (Bag 3 Carbon Dioxide)	533.92	--
FE BAG 3 (Bag 3 Fuel Economy)	15.94	15.94
METHANE (CH4 - Methane)	0.019239	--
CO (Carbon Monoxide)	2.30863	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.681	--
DT-EER (Drive Trace Energy Economy Rating)	0.1408	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.71	--
MFR FE (Manufacturer Fuel Economy)	13.8	13.8
NOX (Nitrogen Oxide)	0.025915	--
HC-NM (Non-methane Hydrocarbon)	0.289887	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	619	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	613.68263	--

Manufacturer Test Comments 22RC-526-2 city 4k Auto Fixed CCO

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0204RR0

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 70	CO	2.31	--	--	--	0.04	1	2.4	12.5	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	HC-NM	0.29	--	--	--	0.0025	1	0.3	0.4	Pass
CA	50,000 miles	Other	CO	2.31	--	--	--	0.04	1	2.4	12.5	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Test #	**NCRX10073216**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5552	**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)	0.003452	--
CO (Carbon Monoxide)	0.54916	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.345	--
DT-EER (Drive Trace Energy Economy Rating)	-0.014	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.684	--
MFR FE (Manufacturer Fuel Economy)	22.8	22.8
NOX (Nitrogen Oxide)	0.006462	--
HC-NM (Non-methane Hydrocarbon)	0.002884	--
NMOG (Non-methane organic gases)	0.002971	--
HC-TOTAL (Total Hydrocarbon)	0.006219	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	382	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	381.07523	--

Manufacturer Test Comments 22RC-526-2 hwy 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0204RR0

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	999	--	--	--	0	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0095	--	--	--	--	--	0.018	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0065	--	--	--	0.0053	1	0.012	999.999	Pass
CA	150,000 miles	Other	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0095	--	--	--	--	--	0.018	0.070	Pass
CA	150,000 miles	Other	NOX	0.0065	--	--	--	0.0053	1	0.012	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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Test #	**NCRX10073217**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5579	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	849.16	--
FE BAG 1 (Bag 1 Fuel Economy)	10.23	10.23
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.69	--
FE BAG 2 (Bag 2 Fuel Economy)	17.04	17.04
METHANE (CH4 - Methane)	0.001919	--
CO (Carbon Monoxide)	1.308428	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.927	--
DT-EER (Drive Trace Energy Economy Rating)	0.0047	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.131	--
MFR FE (Manufacturer Fuel Economy)	14.9	14.9
NOX (Nitrogen Oxide)	0.0271	--
HC-NM (Non-methane Hydrocarbon)	0.002146	--
NMOG (Non-methane organic gases)	0.00221	--
PM (Particulate Matter)	0.002063	--
HC-TOTAL (Total Hydrocarbon)	0.004	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	585	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	583.24307	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0204RR0

Manufacturer Test Comments 22RC-526-2 us06 4k Auto WLTP cE10

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 70	CO	1.31	--	--	--	0.12	1	1.4	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0022	--	--	--	0.0027	1	0.005	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0271	--	--	--	0.0053	1	0.032	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0021	--	--	--	0.0000	1	0.002	0.006	Pass
CA	150,000 miles	Other	CO	1.31	--	--	--	0.12	1	1.4	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0022	--	--	--	0.0027	1	0.005	999.999	Pass
CA	150,000 miles	Other	NOX	0.0271	--	--	--	0.0053	1	0.032	999.999	Pass
CA	150,000 miles	Other	PM	0.0021	--	--	--	0.0000	1	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Test #	**NCRX10073220**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5622	**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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	859.29	--
FE BAG 1 (Bag 1 Fuel Economy)	10.1	10.1
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.67	--
FE BAG 2 (Bag 2 Fuel Economy)	17.07	17.07
METHANE (CH4 - Methane)	0.001422	--
CO (Carbon Monoxide)	0.985974	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.246	--
DT-EER (Drive Trace Energy Economy Rating)	-0.646	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.552	--
MFR FE (Manufacturer Fuel Economy)	14.8	14.8
NOX (Nitrogen Oxide)	0.010204	--
HC-NM (Non-methane Hydrocarbon)	0.00291	--
NMOG (Non-methane organic gases)	0.002998	--
PM (Particulate Matter)	0.002245	--
HC-TOTAL (Total Hydrocarbon)	0.004253	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	587	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	585.3822	--

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0204RR0

Manufacturer Test Comments 22RC-526-2 us06 confirmatory 4k Auto WLTP cE10

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 70	CO	0.99	--	--	--	0.12	1	1.1	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0102	--	--	--	0.0053	1	0.016	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0022	--	--	--	0.0000	1	0.002	0.006	Pass
CA	150,000 miles	Other	CO	0.99	--	--	--	0.12	1	1.1	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0030	--	--	--	0.0027	1	0.006	999.999	Pass
CA	150,000 miles	Other	NOX	0.0102	--	--	--	0.0053	1	0.016	999.999	Pass
CA	150,000 miles	Other	PM	0.0022	--	--	--	0.0000	1	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Test #	**NCRX10073218**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/04/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5596	**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)	0.001921	--
CO (Carbon Monoxide)	0.629227	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.1191	--
DT-EER (Drive Trace Energy Economy Rating)	0.0304	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.197	--
MFR FE (Manufacturer Fuel Economy)	13.4	13.4
NOX (Nitrogen Oxide)	0.021506	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.001243	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	647	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	645.67443	--

Manufacturer Test Comments 22RC-526-2 sc03 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0204RR0

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.63	--	--	--	0.12	1	0.8	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0215	--	--	--	0.0053	1	0.027	999.999	Pass
CA	150,000 miles	Other	CO	0.63	--	--	--	0.12	1	0.8	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
CA	150,000 miles	Other	NOX	0.0215	--	--	--	0.0053	1	0.027	999.999	Pass

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Test #	**NCRX10073221**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	46 - CARB LEV3 E10 Regular Gasoline
Test Date	01/06/2022	**Fuel**	Gasoline
Fuel Batch ID	11035	**Fuel Calibration Number**	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**DF Type**	Mfr. Determined
Verify Test Lab ID	CPG		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5638	**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)	0.00276	--
CO (Carbon Monoxide)	0.680454	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.123	--
DT-EER (Drive Trace Energy Economy Rating)	-0.214	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.895	--
MFR FE (Manufacturer Fuel Economy)	14.6	14.6
NOX (Nitrogen Oxide)	0.020553	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.002616	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	596	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	595.48276	--

Manufacturer Test Comments 22RC-526-2 sc03 confirmatory 4k Auto WLTP cE10

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0204RR0

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.68	--	--	--	0.12	1	0.8	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0206	--	--	--	0.0053	1	0.026	999.999	Pass
CA	150,000 miles	Other	CO	0.68	--	--	--	0.12	1	0.8	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0000	--	--	--	0.0027	1	0.003	999.999	Pass
CA	150,000 miles	Other	NOX	0.0206	--	--	--	0.0053	1	0.026	999.999	Pass

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Fuel Properties

Fuel Batch ID	**11035**	**Fuel Calibration Number**	**1**
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	**Fuel Batch Calibration Date**	10/27/2021
Fuel Batch Calibration Effective Date	10/27/2021	**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 (%)	9.6	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17962
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	**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	**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	**10987**	**Fuel Calibration Number**	**1**
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	**Fuel Batch Calibration Date**	06/18/2021
Fuel Batch Calibration Effective Date	06/18/2021	**Fuel Batch Calibration Ineffective Date**	--
Carbon Weight Fraction NMHC	0.827	**Carbon Weight Fraction HC**	--
Exhaust Carbon Weight Fraction	--	**Fuel Methanol Volume Fraction**	0

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0
Fuel Density (grams/cubic ft)	--	**Fuel Specific Gravity**	0.744
Fuel Ethanol Volume Percent (%)	9.3	**Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)**	17922
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	**Fuel Carbon Mass Fraction (E10)**	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	**Weight Fraction CO2**	--

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Consolidated List of Standards

Exhaust Standards

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	1.7
150,000 miles	CO-COMP	--	--	--	--	--	1	0.12	4.2
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0.008	0.080
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.003

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.006

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0
Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.006

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0
Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.12	1.7
150,000 miles	CO-COMP	--	--	--	--	--	1	0.12	4.2
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0.008	0.080
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999
150,000 miles	PM	--	--	--	--	--	1	0.0000	0.003

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010

Certification Summary Information Report

Test Group	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0
Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	CO	--	--	--	--	--	1	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 70
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	0.12	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0027	999.999
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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
4,000 miles	CO	--	--	--	0	0	1	0.12	1.7
150,000 miles	METHANE	--	--	--	--	--	1	0.0094	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0009	0.010

Certification Summary Information Report

Test Group VCRXT05.7571 **Evaporative/Refueling Family** VCRXR0204RR0

Cert Region California + CAA Section 177 states **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.0027	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0.008	0.070
150,000 miles	NOX	--	--	--	--	--	1	0.0053	999.999

Cert Region California + CAA Section 177 states **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 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	0.04	12.5

Cert Region Federal **Cert/In-Use Code** Cert

Vehicle Class LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) **Standard Level** Federal Tier 3 Bin 70

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	0.04	12.5
150,000 miles	HC-NM	--	--	--	--	--	1	0.0025	0.4

Evaporative/Refueling Standards

Evaporative/Refueling Family VCRXR0204RR0 **Cert Region** Federal

Cert/In-Use Code Cert **Standard Level** Federal Tier 3 Evap

Test Procedure California fuel 2-day evap

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

Certification Summary Information Report

Test Group	VCRXT05.7571	Evaporative/Refueling Family	VCRXR0204RR0

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 CA fuel 3-day evap.

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

Evaporative/Refueling Family VCRXR0204RR0
Cert Region Federal
Cert/In-Use Code Cert
Standard Level Federal Tier 3 Evap
Test Procedure 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 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 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	VCRXT05.7571	**Evaporative/Refueling Family**	VCRXR0204RR0

Evaporative/Refueling Family	VCRXR0204RR0	**Cert Region**	Federal
Cert/In-Use Code	Cert	**Standard Level**	Federal Tier 3 Evap
Test Procedure	Evap Canister Bleed Test		

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

Evaporative/Refueling Family	VCRXR0204RR0	**Cert Region**	California + CAA Section 177 states
Cert/In-Use Code	Cert	**Standard Level**	Other
Test Procedure	California fuel 2-day evap		

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

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

Certification Summary Information Report

Test Group	VCRXT05.7571	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	VCRXT05.7571	**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	VCRXT05.7571	**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	VCRXT05.7571	**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

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

FCA US LLC

Test Group - VCRXT05.7571

EPA COMP CODE	AA-1000	AA-1100	AA-1200	AA-1300	AA-1400	AA-1500	AA-1600	AA-1700	AA-1800
E10:Powertrain Control Module									
E11:Transmission Control Module									
E17:ABS Control Module									
F01:Fuel Tank									
F15:Fuel Tank Filler Tube									
F40:Throttle Body									
F50:Fuel Injector									
F55:Fuel Pressure Regulator									
F59:Fuel Pressure Sensor									
F70:Evap. Canister Assembly									
F79:ESIM (Evaporative System Integrity Monitor)									
H10:Catalytic Converter									
I05:Spark Plug									
I10:Ignition Coil									
L01:Heated Oxygen Sensor									
L07:Multiple Displacement System Solenoid									
L12:Accelerator Pedal Position Sensor									

EPA COMP CODE	AA-1000	AA-1100	AA-1200	AA-1300	AA-1400	AA-1500	AA-1600	AA-1700	AA-1800
L15:Camshaft Position Sensor									
L16:Crankshaft Position Sensor									
L20:Knock Sensor									
L28:ABS Speed Sensor									
M04:Intake Air Temperature Sensor									
M07:Oil Temperature Sensor									
M10:Ambient Temperature Sensor									
M15:Engine Coolant Temperature Sensor									
N17:Crankshaft Target Wheel									
N36:Exhaust Manifold / Single									
N50:Engine Thermostat									
N91:Evaporative Canister to Tank Hose									
N97:Vapor Hose Harness									
V01:PCV Valve									
V05:MAP Sensor									
V63:Evap. Can. Purge Solenoid									
Z01:VECI Label									

Test Group - VCRXT05.7571

EPA COMP CODE	AA-1900	AA-2000	AA-2100	AA-2200	AA-2300	AA-2400	AA-2450	AA-2500	AA-2600
E10:Powertrain Control Module									
E11:Transmission Control Module									
E17:ABS Control Module									
F01:Fuel Tank									
F15:Fuel Tank Filler Tube									
F40:Throttle Body									
F50:Fuel Injector									
F55:Fuel Pressure Regulator									
F59:Fuel Pressure Sensor									
F70:Evap. Canister Assembly									
F79:ESIM (Evaporative System Integrity Monitor)									
H10:Catalytic Converter									
I05:Spark Plug									
I10:Ignition Coil									
L01:Heated Oxygen Sensor									
L07:Multiple Displacement System Solenoid									
L12:Accelerator Pedal Position Sensor									

EPA COMP CODE	AA-1900	AA-2000	AA-2100	AA-2200	AA-2300	AA-2400	AA-2450	AA-2500	AA-2600
L15:Camshaft Position Sensor									
L16:Crankshaft Position Sensor									
L20:Knock Sensor									
L28:ABS Speed Sensor									
M04:Intake Air Temperature Sensor									
M07:Oil Temperature Sensor									
M10:Ambient Temperature Sensor									
M15:Engine Coolant Temperature Sensor									
N17:Crankshaft Target Wheel									
N36:Exhaust Manifold / Single									
N50:Engine Thermostat									
N91:Evaporative Canister to Tank Hose									
N97:Vapor Hose Harness									
V01:PCV Valve									
V05:MAP Sensor									
V63:Evap. Can. Purge Solenoid									
Z01:VECI Label									

Test Group - VCRXT05.7571

EPA COMP CODE	AA-2700	AA-2800	AA-2900	AA-3000	AA-3100	AA-3200	AA-3300	AA-3400
E10:Powertrain Control Module								
E11:Transmission Control Module								
E17:ABS Control Module								
F01:Fuel Tank								
F15:Fuel Tank Filler Tube								
F40:Throttle Body								
F50:Fuel Injector								
F55:Fuel Pressure Regulator								
F59:Fuel Pressure Sensor								
F70:Evap. Canister Assembly								
F79:ESIM (Evaporative System Integrity Monitor)								
H10:Catalytic Converter								
I05:Spark Plug								
I10:Ignition Coil								
L01:Heated Oxygen Sensor								
L07:Multiple Displacement System Solenoid								
L12:Accelerator Pedal Position Sensor								

EPA COMP CODE	AA-2700	AA-2800	AA-2900	AA-3000	AA-3100	AA-3200	AA-3300	AA-3400
L15:Camshaft Position Sensor								
L16:Crankshaft Position Sensor								
L20:Knock Sensor								
L28:ABS Speed Sensor								
M04:Intake Air Temperature Sensor								
M07:Oil Temperature Sensor								
M10:Ambient Temperature Sensor								
M15:Engine Coolant Temperature Sensor								
N17:Crankshaft Target Wheel								
N36:Exhaust Manifold / Single								
N50:Engine Thermostat								
N91:Evaporative Canister to Tank Hose								
N97:Vapor Hose Harness								
V01:PCV Valve								
V05:MAP Sensor								
V63:Evap. Can. Purge Solenoid								
Z01:VECI Label								

FCA US LLC

Test Group :VCRXT05.7571

Durability Group: VCRXGPGNNF08 **Standard Fed:** Bin70 **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	DFD	DHB / 4F	8	0.67	4.71,3.14,2.1,1.67,1.29,1.0,0.84,0.67	EZH	N/A		Electronically shifted data on file
L8	DFD	DKA / 4F	8	0.67	4.71,3.14,2.1,1.67,1.29,1.0,0.84,0.67	EZH	N/A		Electronically shifted data on file
L8	DFD	DHY / 4F	8	0.67	4.71,3.14,2.1,1.67,1.29,1.0,0.84,0.67	EZH	N/A		Electronically shifted data on file
L8	DFR	2R	8	.67	4.71,3.14,2.1,1.67,1.29,1.0,.84,.67	EZH	N/A		Electronically shifted data on file
L8	DFR	DH8 / 4P DH9 / 4P	8	.67	4.71,3.14,2.1,1.67,1.29,1.0,.84,.67	EZH	N/A		Electronically shifted data on file
L8	DFR	DHR / 4F	8	.67	4.71,3.14,2.1,1.67,1.29,1.0,.84,.67	EZH	N/A		Electronically shifted data on file

VCRXT05.7571

Durability Group: VCRXGPGNNF08 Standard Fed: Bin70 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: 5.7L (EZH) Evap Family - Evap Code: VCRXR0225RR1-33.0

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
DT1A98	RAM: 1500 4X2			L8 - RWD DFR		6900	5500 2158 5168	6000 2804 6034	3.21 3.21 3.21 3.21	23.6 23.4 23 23.3	275/55R20 TUB 275/55R20 TTH 275/65R18 TUM LT 275/65R18C TCP	TZB TZN TZA TZJ	ER440I CRDTA4C 4X7080L X4FKDT18-2	19.16 18.91 18.82 16.88	17.8 18.0 18.1 20.2	42.62000 44.61000 44.45000 57.58000	7.0E-40 0.00930 0.01360 0.04490	0.03626 0.03601 0.03625 0.03654	46.88000 49.07000 48.90000 63.34000	8.0E-40 0.01020 0.01500 0.04940	0.03989 0.03961 0.03988 0.04019

Engine Code AA-1100 Eng Displ: 5.7L (EZH) Evap Family - Evap Code: VCRXR0225RR1-33.0

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
DT1A98	RAM: 1500 4X2			L8 - RWD DFR		6900	5500 2158 5168	6000 2804 6034	3.92 3.92 3.92 3.92	28.8 28.6 28.1 28.4	275/55R20 TUB 275/55R20 TTH 275/65R18 TUM LT 275/65R18C TCP	TZB TZN TZA TZJ	ER440I CRDTA4C 4X7080L X4FKDT18-2	19.16 18.91 18.82 16.88	17.8 18.0 18.1 20.2	42.62000 44.61000 44.45000 57.58000	7.0E-40 0.00930 0.01360 0.04490	0.03626 0.03601 0.03625 0.03654	46.88000 49.07000 48.90000 63.34000	8.0E-40 0.01020 0.01500 0.04940	0.03989 0.03961 0.03988 0.04019

Engine Code AA-1200 Eng Displ: 5.7L (EZH) Evap Family - Evap Code: VCRXR0225RR1-33.0

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.21 3.21 3.21 3.21 3.21 3.21 3.21 3.21	23.4 23.6 23 23 23.3 23.3 23.4 22.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-1300 Eng Displ: 5.7L (EZH) Evap Family - Evap Code: VCRXR0225RR1-33.0

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.92 3.92 3.92 3.92 3.92 3.92 3.92 3.92	28.6 28.8 28.1 28.1 28.5 28.4 28.5 27.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-1400 Eng Displ: 5.7L (EZH) Evap Family - Evap Code: VCRXR0225RR1-33.0

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.92 3.92 3.92 3.92 3.92 3.92 3.92 3.92	28.6 28.8 28.1 28.1 28.5 28.4 28.5 27.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-1500 Eng Displ: 5.7L (EZH) Evap Family - Evap Code: VCRXR0225RR1-33.0

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
DT1A98	RAM: 1500 4X2			L8 - RWD DFR		6900	5500 2158 5168	6000 2804 6034	3.21 3.21 3.21 3.21	23.6 23.4 23 23.3	275/55R20 TUB 275/55R20 TTH 275/65R18 TUM LT 275/65R18C TCP	TZB TZN TZA TZJ	ER440I CRDTA4C 4X7080L X4FKDT18-2	19.16 18.91 18.82 16.88	17.8 18.0 18.1 20.2	42.62000 44.61000 44.45000 57.58000	7.0E-40 0.00930 0.01360 0.04490	0.03626 0.03601 0.03625 0.03654	46.88000 49.07000 48.90000 63.34000	8.0E-40 0.01020 0.01500 0.04940	0.03989 0.03961 0.03988 0.04019

Engine Code AA-1600 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0225RR1-33.0**

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
DT1A98	RAM: 1500 4X2			L8 - RWD DFR		6900	5500 2158 5168	6000 2804 6034	3.92 3.92 3.92 3.92	28.8 28.6 28.1 28.4	275/55R20 TUB 275/55R20 TTH 275/65R18 TUM LT 275/65R18C TCP	TZB TZN TZA TZJ	ER440I CRDTA4C 4X7080L X4FKDT18-2	19.16 18.91 18.82 16.88	17.8 18.0 18.1 20.2	42.62000 44.61000 44.45000 57.58000	7.0E-40 0.00930 0.01360 0.04490	0.03626 0.03601 0.03625 0.03654	46.88000 49.07000 48.90000 63.34000	8.0E-40 0.01020 0.01500 0.04940	0.03989 0.03961 0.03988 0.04019

Engine Code AA-1700 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0225RR1-33.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.21 3.21 3.21 3.21 3.21 3.21 3.21 3.21	23.4 23.6 23 23 23.3 23.3 23.4 22.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-1800 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0225RR1-33.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.92 3.92 3.92 3.92 3.92 3.92 3.92 3.92	28.6 28.8 28.1 28.1 28.5 28.4 28.5 27.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-1900 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0225RR1-33.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.92 3.92 3.92 3.92 3.92 3.92 3.92 3.92	28.6 28.8 28.1 28.1 28.5 28.4 28.5 27.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-2000 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT1A98	RAM: 1500 4X2			L8 - RWD DFR		6900	5500 2158 5168	6000 2804 6034	3.21 3.21 3.21 3.21	23.6 23.4 23 23.3	275/55R20 TUB 275/55R20 TTH 275/65R18 TUM LT 275/65R18C TCP	TZB TZN TZA TZJ	ER440I CRDTA4C 4X7080L X4FKDT18-2	19.16 18.91 18.82 16.88	17.8 18.0 18.1 20.2	42.62000 44.61000 44.45000 57.58000	7.0E-40 0.00930 0.01360 0.04490	0.03626 0.03601 0.03625 0.03654	46.88000 49.07000 48.90000 63.34000	8.0E-40 0.01020 0.01500 0.04940	0.03989 0.03961 0.03988 0.04019

Engine Code AA-2100 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT1A98	RAM: 1500 4X2			L8 - RWD DFR		6900	5500 2158 5168	6000 2804 6034	3.92 3.92 3.92 3.92	28.8 28.6 28.1 28.4	275/55R20 TUB 275/55R20 TTH 275/65R18 TUM LT 275/65R18C TCP	TZB TZN TZA TZJ	ER440I CRDTA4C 4X7080L X4FKDT18-2	19.16 18.91 18.82 16.88	17.8 18.0 18.1 20.2	42.62000 44.61000 44.45000 57.58000	7.0E-40 0.00930 0.01360 0.04490	0.03626 0.03601 0.03625 0.03654	46.88000 49.07000 48.90000 63.34000	8.0E-40 0.01020 0.01500 0.04940	0.03989 0.03961 0.03988 0.04019

Engine Code AA-2200 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.21 3.21 3.21 3.21 3.21 3.21 3.21 3.21	23.4 23.6 23 23 23.3 23.3 23.4 22.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-2300 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.92 3.92 3.92 3.92 3.92 3.92 3.92 3.92	28.6 28.8 28.1 28.1 28.5 28.4 28.5 27.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-2400 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD DFR / DH8-4P DH9-4P		7100	5500 2247 5439	6500 2837 6269	3.92 3.92 3.92 3.92 3.92 3.92 3.92 3.92	28.6 28.8 28.1 28.1 28.5 28.4 28.5 27.5	275/55R20 TTH 275/55R20 TUB 275/65R18 TUM 285/45R22XL TAR 285/45R22XL TXR LT 275/65R18C TCP 275/55R20 TXP LT275/70R18E TT6	TZN TZB TZA TZP TZJ TZJ TZJ TZA	CRDTA4C ER440I 4X7080L 23477 X0FKDT-02 X4FKDT18-2 X4FKDT20-O 5X6021F	18.23 18.23 18.01 17.40 17.30 16.96 16.85 16.42	18.7 18.7 18.9 19.6 19.7 20.1 20.2 20.7	46.31000 46.31000 49.81000 55.58000 54.52000 53.67000 51.86000 59.56000	0.19950 0.19950 0.06100 0.08270 0.19980 -0.0163 -0.0701 -0.0301	0.03351 0.03351 0.03556 0.03480 0.03321 0.03907 0.04128 0.03895	50.94000 50.94000 54.79000 61.14000 59.97000 59.04000 57.05000 65.52000	0.21940 0.21940 0.06710 0.09100 0.21980 -0.0179 -0.0771 -0.0331	0.03686 0.03686 0.03912 0.03828 0.03653 0.04298 0.04541 0.04284

Engine Code AA-2450 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT6A48	RAM: 1500 Rumble Bee 4x4			L8 - 4WD DFR / DHR-4F		7100	6000 2331 5550	6500 2790 6325	3.92	28.1 28	285/45R22XL TAR 305/50R20 TPL	TZP TZA	23477 TBD	17.72 16.23	22.7 24.8	59.11000 66.74000	0.03910 0.05860	0.04371 0.04648	65.02000 73.41000	0.04300 0.06450	0.04808 0.05113

Engine Code AA-2500 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT1A98	RAM: 1500 4X2			L8 - RWD DFR		6900	5500 2158 5168	6000 2804 6034	3.21 3.21 3.21 3.21	23.6 23.4 23 23.3	275/55R20 TUB 275/55R20 TTH 275/65R18 TUM LT 275/65R18C TCP	TZB TZN TZA TZJ	ER440I CRDTA4C 4X7080L X4FKDT18-2	19.16 18.91 18.82 16.88	17.8 18.0 18.1 20.2	42.62000 44.61000 44.45000 57.58000	7.0E-40 0.00930 0.01360 0.04490	0.03626 0.03601 0.03625 0.03654	46.88000 49.07000 48.90000 63.34000	8.0E-40 0.01020 0.01500 0.04940	0.03989 0.03961 0.03988 0.04019

Engine Code AA-2600 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst	GVW	LVW TWC	ALVW TWC	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

					Identifier	Drive Curb	Drive Curb												
DT1A98	RAM: 1500 4X2			L8 - RWD		6900	5500	6000	3.92	28.8	275/55R20 TUB	TZB	ER440I	19.16	17.8	42.62000	7.0E-40	0.03626	46.88000	8.0E-40	0.03989
				DFR			2158	2804	3.92	28.6	275/55R20 TTH	TZN	CRDTA4C	18.91	18.0	44.61000	0.00930	0.03601	49.07000	0.01020	0.03961
							5168	6034	3.92	28.1	275/65R18 TUM	TZA	4X7080L	18.82	18.1	44.45000	0.01360	0.03625	48.90000	0.01500	0.03988
									3.92	28.4	LT 275/65R18C TCP	TZJ	X4FKDT18-2	16.88	20.2	57.58000	0.04490	0.03654	63.34000	0.04940	0.04019

Engine Code AA-2700 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD		7100	5500	6500	3.21	23.4	275/55R20 TTH	TZN	CRDTA4C	18.23	18.7	46.31000	0.19950	0.03351	50.94000	0.21940	0.03686
				DFR /			2247	2837	3.21	23.6	275/55R20 TUB	TZB	ER440I	18.23	18.7	46.31000	0.19950	0.03351	50.94000	0.21940	0.03686
				DH8-4P			5439	6269	3.21	23	275/65R18 TUM	TZA	4X7080L	18.01	18.9	49.81000	0.06100	0.03556	54.79000	0.06710	0.03912
				DH9-4P					3.21	23	285/45R22XL TAR	TZP	23477	17.40	19.6	55.58000	0.08270	0.03480	61.14000	0.09100	0.03828
									3.21	23.3	285/45R22XL TXR	TZJ	X0FKDT-02	17.30	19.7	54.52000	0.19980	0.03321	59.97000	0.21980	0.03653
									3.21	23.3	LT 275/65R18C TCP	TZJ	X4FKDT18-2	16.96	20.1	53.67000	-0.0163	0.03907	59.04000	-0.0179	0.04298
									3.21	23.4	275/55R20 TXP	TZJ	X4FKDT20-O	16.85	20.2	51.86000	-0.0701	0.04128	57.05000	-0.0771	0.04541
									3.21	22.5	LT275/70R18E TT6	TZA	5X6021F	16.42	20.7	59.56000	-0.0301	0.03895	65.52000	-0.0331	0.04284

Engine Code AA-2800 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD		7100	5500	6500	3.92	28.6	275/55R20 TTH	TZN	CRDTA4C	18.23	18.7	46.31000	0.19950	0.03351	50.94000	0.21940	0.03686
				DFR /			2247	2837	3.92	28.8	275/55R20 TUB	TZB	ER440I	18.23	18.7	46.31000	0.19950	0.03351	50.94000	0.21940	0.03686
				DH8-4P			5439	6269	3.92	28.1	275/65R18 TUM	TZA	4X7080L	18.01	18.9	49.81000	0.06100	0.03556	54.79000	0.06710	0.03912
				DH9-4P					3.92	28.1	285/45R22XL TAR	TZP	23477	17.40	19.6	55.58000	0.08270	0.03480	61.14000	0.09100	0.03828
									3.92	28.5	285/45R22XL TXR	TZJ	X0FKDT-02	17.30	19.7	54.52000	0.19980	0.03321	59.97000	0.21980	0.03653
									3.92	28.4	LT 275/65R18C TCP	TZJ	X4FKDT18-2	16.96	20.1	53.67000	-0.0163	0.03907	59.04000	-0.0179	0.04298
									3.92	28.5	275/55R20 TXP	TZJ	X4FKDT20-O	16.85	20.2	51.86000	-0.0701	0.04128	57.05000	-0.0771	0.04541
									3.92	27.5	LT275/70R18E TT6	TZA	5X6021F	16.42	20.7	59.56000	-0.0301	0.03895	65.52000	-0.0331	0.04284

Engine Code AA-2900 **Eng Displ: 5.7L (EZH)** **Evap Family - Evap Code: VCRXR0183RR1-26.0**

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
DT6A98	RAM: 1500 4X4			L8 - 4WD		7100	5500	6500	3.92	28.6	275/55R20 TTH	TZN	CRDTA4C	18.23	18.7	46.31000	0.19950	0.03351	50.94000	0.21940	0.03686
				DFR /			2247	2837	3.92	28.8	275/55R20 TUB	TZB	ER440I	18.23	18.7	46.31000	0.19950	0.03351	50.94000	0.21940	0.03686
				DH8-4P			5439	6269	3.92	28.1	275/65R18 TUM	TZA	4X7080L	18.01	18.9	49.81000	0.06100	0.03556	54.79000	0.06710	0.03912
				DH9-4P					3.92	28.1	285/45R22XL TAR	TZP	23477	17.40	19.6	55.58000	0.08270	0.03480	61.14000	0.09100	0.03828
									3.92	28.5	285/45R22XL TXR	TZJ	X0FKDT-02	17.30	19.7	54.52000	0.19980	0.03321	59.97000	0.21980	0.03653
									3.92	28.4	LT 275/65R18C TCP	TZJ	X4FKDT18-2	16.96	20.1	53.67000	-0.0163	0.03907	59.04000	-0.0179	0.04298
									3.92	28.5	275/55R20 TXP	TZJ	X4FKDT20-O	16.85	20.2	51.86000	-0.0701	0.04128	57.05000	-0.0771	0.04541
									3.92	27.5	LT275/70R18E TT6	TZA	5X6021F	16.42	20.7	59.56000	-0.0301	0.03895	65.52000	-0.0331	0.04284

Engine Code AA-3000 **Eng Displ: 5.7L (EZH)** **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		7100	5500	6000	3.09	23.6	265/50R20 TKJ	TZB	094Q	20.09	16.9	53.68000	-0.0764	0.03086	59.05000	-0.0840	0.03395
				DFD /			2550	3183	3.09	23.3	265/50R20 TKY	TZP	30323-05	19.22	17.7	58.52000	-0.0333	0.03035	64.37000	-0.0366	0.03338
				DHB-4F			5360	6230	3.09	23.5	295/45ZR20 TWE	TZP	8N0912	18.43	18.4	65.80000	-3.6098	0.02974	72.38000	-3.9708	0.03271

Engine Code AA-3100 **Eng Displ: 5.7L (EZH)** **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 Pursuit AWD	AZ1		L8 - AWD		7100	5500	6000	3.09	23.6	265/50R20 TKJ	TZB	094Q	20.09	16.9	53.68000	-0.0764	0.03086	59.05000	-0.0840	0.03395
				DFD /			2550	3183	3.09	23.3	265/50R20 TKY	TZP	30323-05	19.22	17.7	58.52000	-0.0333	0.03035	64.37000	-0.0366	0.03338
				DKA-4F			5360	6230	3.09	23.5	295/45ZR20 TWE	TZP	8N0912	18.43	18.4	65.80000	-3.6098	0.02974	72.38000	-3.9708	0.03271
									3.09	24.2	255/60R18 TXQ	TZF	ZH846A	17.70	19.2	64.76000	-0.0704	0.03316	71.24000	-0.0774	0.03648

Engine Code AA-3200 **Eng Displ: 5.7L (EZH)** **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 Pursuit AWD	AZ1		L8 - AWD DFD / DHY-4F		7100	5500 2550 5360	6000 3183 6230	3.09	24.2	255/60R18 TXQ	TZF	ZH846A	17.70	19.2	64.76000	-0.0704	0.03316	71.24000	-0.0774	0.03648

Engine Code AA-3300 **Eng Displ: 5.7L (EZH)** **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 DFD / DKA-4F		7100	5500 2550 5360	6000 3183 6230	3.09 3.09 3.09	23.6 23.3 23.5	265/50R20 TKJ 265/50R20 TKY 295/45ZR20 TWE	TZB TZP TZP	094Q 30323-05 8N0912	20.09 19.22 18.43	16.9 17.7 18.4	53.68000 58.52000 65.80000	-0.0764 -0.0333 -3.6098	0.03086 0.03035 0.02974	59.05000 64.37000 72.38000	-0.0840 -0.0366 -3.9708	0.03395 0.03338 0.03271

Engine Code AA-3400 **Eng Displ: 5.7L (EZH)** **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 DFD / DHY-4F		7100	5500 2550 5360	6000 3183 6230	3.09	23.6 23.3	265/50R20 TKJ 265/50R20 TKY	TZB TZP	094Q 30323-05		16.9 17.7	53.68000 58.52000	-0.0764 -0.0333	0.03086 0.03035	59.05000 64.37000	-0.0840 -0.0366	0.03395 0.03338

FCA US LLC

Test Group: VCRXT05.7571 - Engine Code Index

Durability Group: VCRXGPGNNF08 **Standard : Bin70 / NA** **Vehicle Class: LDT4 (ALVW >5750, LVW 0-3750, GVW 6001-8500) / N/A**

Engine Code: AA-1000 - DT1A98 EZH DFR 33 Gallon 3.21

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	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	6900	6900	5500	5500	RWD	NAS
AA-1000	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1100 - DT1A98 EZH DFR 33 Gallon 3.92

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-1100	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	6900	6900	5500	5500	RWD	NAS
AA-1100	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1200 - DT6A98 EZH DFR 33 Gallon 3.21

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-1200	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-1200	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1300 - DT6A98 EZH DFR 33 Gallon 3.92

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-1300	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-1300	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1400 - DT6A98 EZH DFR 33 Gallon 3.92 ORT

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-1400	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-1400	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1500 - DT1A98 EZH DFR 33 Gallon Active Air Dam 3.21

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	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	6900	6900	5500	5500	RWD	NAS
AA-1500	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1600 - DT1A98 EZH DFR 33 Gallon Active Air Dam 3.92

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-1600	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	6900	6900	5500	5500	RWD	NAS
AA-1600	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1700 - DT6A98 EZH DFR 33 Gallon Active Air Dam 3.21

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-1700	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-1700	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1800 - DT6A98 EZH DFR 33 Gallon Active Air Dam 3.92

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-1800	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-1800	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-1900 - DT6A98 EZH DFR 33 Gallon Active Air Dam 3.92 ORT

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-1900	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-1900	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2000 - DT1A98 EZH DFR 26 Gallon 3.21

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	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	6900	6900	5500	5500	RWD	NAS
AA-2000	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2100 - DT1A98 EZH DFR 26 Gallon 3.92

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-2100	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	6900	6900	5500	5500	RWD	NAS
AA-2100	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2200 - DT6A98 EZH DFR 26 Gallon 3.21

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-2200	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-2200	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2300 - DT6A98 EZH DFR 26 Gallon 3.92

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-2300	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-2300	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2400 - DT6A98 EZH DFR 26 Gallon 3.92 ORT

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-2400	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-2400	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2450 - DT6S48 EZH DFR 26 Gallon 3.92 SHORT SPORT

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-2450	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	6000	6000	4WD	NAS
AA-2450	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2500 - DT1A98 EZH DFR 26 Gallon Active Air Dam 3.21

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	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	6900	6900	5500	5500	RWD	NAS
AA-2500	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2600 - DT1A98 EZH DFR 26 Gallon Active Air Dam 3.92

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-2600	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	6900	6900	5500	5500	RWD	NAS
AA-2600	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2700 - DT6A98 EZH DFR 26 Gallon Active Air Dam 3.21

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-2700	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-2700	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2800 - DT6A98 EZH DFR 26 Gallon Active Air Dam 3.92

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-2800	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-2800	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-2900 - DT6A98 EZH DFR 26 Gallon Active Air Dam 3.92 ORT

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-2900	022	05/21/2026	5.7L/EZH	DT		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	4WD	NAS
AA-2900	022	05/21/2026	Remarks:	Add 5.7L DT non-BSG to VCRXT05.7571 test group								

Engine Code: AA-3000 - WD 5.7L (EZH) 8HP70 (DFD) AWD Super Tow

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		5.7L/EZH	WD		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	AWD	NAS

Engine Code: AA-3100 - WD 5.7L (EZH) 8HP70 (DFD) AWD Pursuit 2-Speed Transfer Case

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-3100	Original		5.7L/EZH	WD	AZ1	L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	AWD	NAS

Engine Code: AA-3200 - WD 5.7L (EZH) 8HP70 (DFD) AWD Pursuit 1-Speed Transfer Case

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-3200	Original		5.7L/EZH	WD	AZ1	L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	AWD	NAS

Engine Code: AA-3300 - WD 5.7L (EZH) 8HP70 (DFD) AWD 2-Speed Transfer Case

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-3300	Original		5.7L/EZH	WD		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	AWD	NAS

Engine Code: AA-3400 - WD 5.7L (EZH) 8HP70 (DFD) AWD 1-Speed Transfer Case

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-3400	Original		5.7L/EZH	WD		L8/ Automatic L8 - Lockup/Automatic/8-speed	7100	7100	5500	5500	AWD	NAS

Test Group: VCRXT05.7571 - No Engine Code Changes

Durability Group: VCRXGPGNNF08 Standard Fed: Bin70 Cal: N/A

RC/FF #	Submission Date	Description
No Results Found		

Section 12 Vehicle Parameters

Valves per cylinder	Engine 5.7 Liters - 2

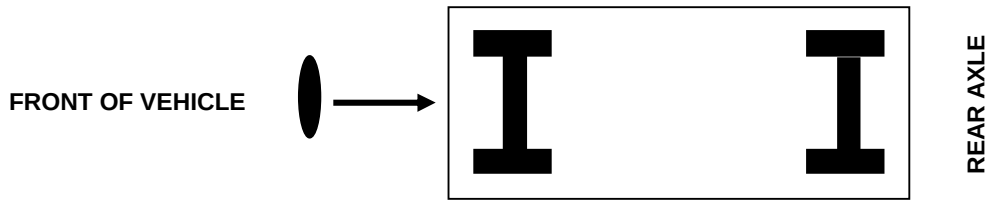
Test Parameters

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 DT - 222 grams DT - 183 grams WD - 204 grams
Fuel temperature Profile:	Models DT - eDS DT - eDS WD - eWK_25
Special Test Procedure:	Models All - none

FAN POSITION DIAGRAM

All vehicles in Test Group

EDV Dyno Configuration
2 Wheel Dyno - Rear Drive



Test Type	Fan Type	Fan Position	Hood Position
EPA75. HWFE US06 CCO	Road Speed Fan (RSF) (meeting requirements of 40CFR1066.105(c)(2) – speed and uniformity requirements	Position RSF horizontally 12" from front of vehicle, centered in front of vehicle. Position RSF vertically so centerline of fan is centered with vehicle grill.	CLOSED
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

Revised: 5/21/2026
Issue Date: 4/30/2026

April 30, 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 5.7L Interim Tier 4 Federal and 50 State test group VCRXT05.7571 with evaporative family: VCRXR0204RR0. This test group is being certified to Tier 4i BIN 70 standards. FCA US LLC agrees to meet the Tier 4i BIN 70 standards, and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT05.7571. 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:

SUPERCEDED

Emission Standards		City/			HCHO	
Tier 4i BIN 70	150K	0.0		1	0.0	0.0

Evaporative Standards		3-Day	2-Day	R/L	ORVR	Canister Bleed
VCRXR0204RR0	150K	0.500	0.500	0.05	0.20	0.02

Initial combined CREE for VCRXT05.7571 test group is = 441.9

The models in this test group are as follows:

Division / Model
Dodge Durango, AWD
Dodge Durango Pursuit, AWD

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

FCA
FIAT CHRYSLER AUTOMOBILES

May 21, 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 Notification of Running Change 27RC-022 for LDT Test Group VCRXT05.7571 and Certificate of Conformity Request

FCA US LLC is officially notifying you of their 2027 MY Running Change requesting a new Certificate of Conformity for the 5.7L Interim Tier 4 Federal and 50 State test group VCRXT05.7571 with evaporative families: VCRXR0225RR1,VCRXR0183RR1 and VCRXR0204RR0.

Addition of new EDV model DT . OBD is not affected by this running change.

FCA US LLC requests a 2027 MY Certificate of Conformity for the 5.7L Interim Tier 4 Federal and 50 State test group VCRXT05.7571 with evaporative families: VCRXR0225RR1,VCRXR0183RR1 and VCRXR0204RR0. This test group is being certified to Tier 4i BIN 70 standards. FCA US LLC agrees to meet the Tier 4i BIN 70 standards, and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT05.7571. 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:

Emission Standards		City/Hwy NMOG+NOx	CO	HCHO	PM	
Tier 4i BIN 70	150K	0.070	1.7	0.004	0.003	
Evaporative Standards		**3-Day**	**2-Day**	**R/L**	**ORVR**	**Canister Bleed**
VCRXR0225RR1	150K	0.500	0.500	0.05	0.20	0.02
VCRXR0183RR1	150K	0.500	0.500	0.05	0.20	0.02
VCRXR0204RR0	150K	0.500	0.500	0.05	0.20	0.02

Initial combined CREE for VCRXT05.7571 test group is = 486.9

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Division / Model
RAM 1500 4X2, RWD
RAM 1500 4X4, 4WD
Dodge Durango, AWD
Dodge Durango Pursuit, AWD

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

US EPA Fee Form

Help and EPA Instructions

* Required Field

General Information

Date: 02/05/2026

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 *

VCRXT05.7571

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).

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
CALIFORNIA AIR RESOURCES BOARD

MOBILE SOURCE CERTIFICATION AND COMPLIANCE FEE PAYMENT FORM FOR ON-ROAD APPLICATIONS ONLY

CARB USE ONLY

Invoice Name	MSF250698
Invoice Date	Jan 15, 2026

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_VCRXD00.0517_APPIPT	Model Year 2027	VCRXD00.0517	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	$ 12,577.00
2	CBI_VCRXT02.0571_APPIPT	Model Year 2027	VCRXT02.0571	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
3	CBI_VCRXT02.0572 _APPIPT1	Model Year 2027	VCRXT02.0572	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
4	CBI_VCRXV03.0574_APPIPT	Model Year 2027	VCRXV03.0574	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
5	CBI_VCRXT03.0572_APPIPT	Model Year 2027	VCRXT03.0572	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
6	CBI_VCRXT03.0573_APPIPT	Model Year 2027	VCRXT03.0573	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
7	CBI_VCRXT03.6561_APPIPT	Model Year 2027	VCRXT03.6561	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
8	CBI_VCRXT03.6543_APPIPT	Model Year 2027	VCRXT03.6543	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
9	CBI_VCRXD03.6576_APPIPT	Model Year 2027	VCRXD03.6576	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00

10	CBI_VCRXD03.6575_APPIPT	Model Year 2027	VCRXD03.6575	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
11	CBI_VCRXT05.7560_APPIPT	Model Year 2027	VCRXT05.7560	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
12	CBI_VCRXT05.7571_APPIPT	Model Year 2027	VCRXT05.7571	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
13	CBI_VCRXT06.2570_APPIPT	Model Year 2027	VCRXT06.2570	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
14	CBI_VCRXT06.2571_APPIPT	Model Year 2027	VCRXT06.2571	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
15	CBI_VCRXT06.4570_APPIPT	Model Year 2027	VCRXT06.4570	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
16	CBI_VCRXT06.4571_APPIPT	Model Year 2027	VCRXT06.4571	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
17	CBI_VCRXD06.4572_APPIPT	Model Year 2027	VCRXD06.4572	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
18	CBI_VCRXD06.4573_APPIPT	Model Year 2027	VCRXD06.4573	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
19	CBI_VCRXD06.4574_APPIPT	Model Year 2027	VCRXD06.4574	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
20	CBI_VCRXD06.4575_APPIPT	Model Year 2027	VCRXD06.4575	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 50,309.00
21	CBI_TCRXT03.6565_APPIPT	Model Year 2026	TCRXT03.6565	Light-duty vehicle test group and medium-duty vehicle test group	Base	$ 48,447.00
					Total Due	$ 1,016,895.00

I, Gary Arvan Gary Arvan (Jan 15, 2026 11:23:45 EST) , attest that any information provided is true, accurate, and complete.

(Responsible Party Signature Here)

PAM BARYLSKI

From: noreply@salesforce.com on behalf of California Air <mscertfees@arb.ca.gov>
Sent: Friday, January 30, 2026 10:37 AM
To: PAM BARYLSKI
Subject: [EXTERNAL]MS Fee Payment Confirmation for Invoice MSF250698
Attachments: MSF250698 - 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

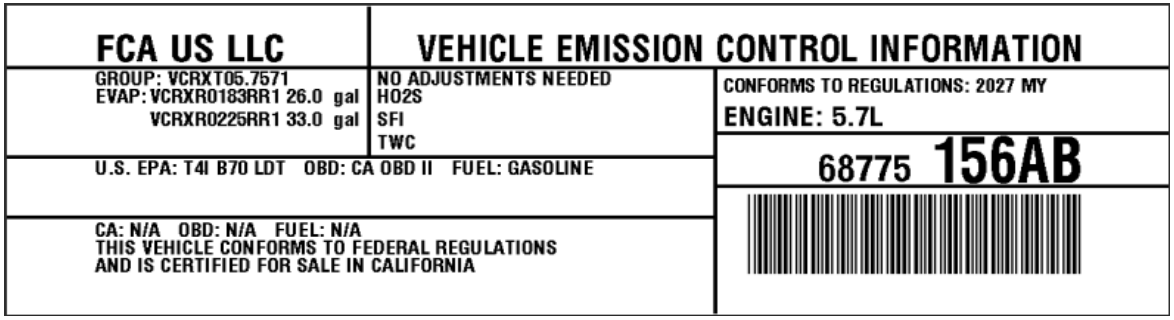
Attached is documentation for your MS Fee payment for Invoice Name MSF250698. Please include a copy of this invoice and email with each application that is listed when submitting your application to the applicable MS Fee program.

1. Payment ID – 25RA0274
2. Date of Payment – 1/29/2026
3. Payment Status - Paid

FIAT CHRYSLER AUTOMOBILES

2027 50-State (NAS) DT

Test Group: VCRXT05.7571



VECI label is located on the vehicle per 40 CFR 86.1807-01.

FCA

FIAT CHRYSLER AUTOMOBILES

2027 50-State (NAS) WD

Test Group: VCRXT05.7571

FCA US LLC	VEHICLE EMISSION CONTROL INFORMATION	
GROUP: VCRXT05.7571 EVAP: VCRXR0204RR0	NO ADJUSTMENTS NEEDED HO2S SFI TWC	CONFORMS TO REGULATIONS: 2027 MY ENGINE: 5.7L
U.S. EPA: T4I B70 LDT OBD: CA OBD II FUEL: GASOLINE		68775 165AC
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.