



Application for Certification
Part 1

2027 ModelYear

Durability Group: VCRXGPGNNF16
Evaporative Familie(s): VCRXR0204RR0, VCRXR0230RR0

Test Group: VCRXT03.0576

Four Stroke, Otto Cycle, Gasoline Fueled, Direct FI

Ceramic Monolith Pt, Pd, Rh Close Coupled Catalyst

3.0 Liter Inline-6
LDT4

Applicable Standards:
50 State - Tier 4i BIN 30

Vehicles Covered:
Jeep Grand Wagoneer L, 4WD/RWD
Jeep Grand Wagoneer , 4WD/RWD

Vehicle(s) Run:
VID 1 config., Vehicle ID L6WSJ9601 (Exh.)
VID 2 config., Vehicle ID L3WSJ8111 (Evap)
VID 3 config., Vehicle ID L0WDE8893 (Evap)

For Questions, Kevin Wright 248-946-2561 Gary J. Arvan 248.221.9461
All testing completed – Unconditional Cert request



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Section 1 Correspondence and Communication

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

<u>Name</u>	Gary J. Arvan	Kevin Wright
<u>Title</u>	Director	Certification Engineer
<u>Responsibility</u>	Vehicle Safety & Environmental Homologation Programs	Application Submission
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For a complete listing of all Correspondence and Communication Information for FCA US LLC, please see:
"Common Section Book - Section 1 Correspondence and Communication"



Section 2 **Durability Group Description**

Durability Group Name: VCRXGPGNNF16

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



Section 3 Evaporative/Refueling Family Description

Evaporative/Refueling Family Name(s): VCRXR0204RR0
 VCRXR0230RR0

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

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



Section 4 Durability Procedure Description

Durability Group: VCRXGPGNNF16

Durability Provision Statement:

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

For a complete description of the Durability Procedure please see:

"Common Section Book - Section 16. Durability Procedure Description "

Indicate if aged components were used.

Aged Components were used.

Indicate whether additive or multiplicative DF's were used.

N/A

List all DF's calculated at both full and intermediate useful life

EPA - Reference VERIFY (hard copies of all VERIFY Reports retained in-house)

And applicable standards (test results and vehicle description).

CARB - Reference Cert Review Sheet

Evaporative/Refueling Family:

VCRXR0204RR0

VCRXR0230RR0

For a complete description of the Durability Procedure please see:

"Common Section Book - Section 16. Durability Procedure Description "

Indicate if aged components were used.

Yes - Bench Aging

Indicate whether additive or multiplicative DF's were used.

Additive

List all DF's calculated at both full and intermediate useful life

EPA - Reference VERIFY (hard copies of all VERIFY Reports retained in-house)

And applicable standards (test results and vehicle description).

CARB - Reference Cert Review Sheet



Section 5 Test Group Description

Test Group Name:	VCRXT03.0576
Engine displacements covered:	3.0L
Arrangement and number of cylinders:	Inline-6
Vehicle class(es) covered:	LDT4
Emission standards class:	BIN 30
AB71 Qualified Vehicles:	No

Certification Summary Information Report

Manufacturer	FCA US LLC	Manufacturer Code	CRX
Test Group	VCRXT03.0576	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	06/18/2026 12:14:37 PM
Model Year	2027		

Test Group Information

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

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Gasoline	Spark Ignition Direct 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	VCRXGPGNNF16	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VCRXT03.0573
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	2
OBD Deficiencies Comments	SAE J1979-2 Implementation, Adaptive Cruise Control and Parallel Park Systems Default Action		
Mfr Test Group Comments	T4iBIN30 E10 - City Litmus Value: 13.7; City Litmus Threshold: 13.0; Hwy Litmus Value: 18.0; Hwy Litmus Threshold: 16.6		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VCRXT03.0576	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	5 - Jeep	577 - Grand Wagoneer 4x4	California + CAA Section 177 states	All Wheel Drive	Automatic	8	Yes
FCA US LLC	5 - Jeep	572 - Grand Wagoneer 4x2	Federal	2-Wheel Drive, Rear	Automatic	8	Yes
FCA US LLC	5 - Jeep	577 - Grand Wagoneer 4x4	Federal	All Wheel Drive	Automatic	8	Yes
FCA US LLC	5 - Jeep	572 - Grand Wagoneer 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	Inline	Mfr Engine Block Arrangement Description	--				
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	0w-20				
Number of Cylinders/Rotors	6	Mechanically Variable Compression Ratio Indicator	N				

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
After Treatment Device(s) (ATD)			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
1	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic
2	Three-way catalyst	Platinum + Rhodium	Ceramic
3	Three-way catalyst	Palladium + Rhodium	Ceramic
Mfr After Treatment Device (ATD) Comments			
		THREE WAY CATALYST	
Direct Ozone Reduction (DOR) Device			
		Not Equipped	
Mfr Emission Control Device Comments			
		--	
Engine Configuration Number 1			
Engine Displacement (liters)	3.0	Engine Rated Horsepower	420
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	2
Air Aspiration Device Configuration	Parallel	Charge Air Cooler Type	Liquid
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	electro-hydraulic controlled		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
Number of Knock Sensors	3	Number of Air/Fuel Sensors	4
Air/Fuel Sensor # 1 Type	Heated air fuel	Air/Fuel Sensor # 1 Description	--
Air/Fuel Sensor # 2 Type	Heated air fuel	Air/Fuel Sensor # 2 Description	--
Air/Fuel Sensor # 3 Type	Heated oxygen	Air/Fuel Sensor # 3 Description	--
Air/Fuel Sensor # 4 Type	Heated oxygen	Air/Fuel Sensor # 4 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	Yes	Cooled Exhaust Gas Recirculation	Yes
EGR Type	Electronic/Electric	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	No		
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	3.0L EFH GDI Dual Turbo		

Certification Summary Information Report

Test Group		VCRXT03.0576				Evaporative/Refueling Family			VCRXR0204RR0		
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	TCRX10092021	TCRX10092022	TCRX10092023	TCRX10092027	TCRX10092024	14.3	13.9	19.5	19.6	1.0	
SFTP LEV-III Official Test Numbers											
Test Group Fuel		FTP		US06		SC03					
Gasoline		TCRX10092021		TCRX10092022		TCRX10092023					

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
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Emission Data Vehicle Information

Vehicle ID / Configuration	LOWDE8893 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	LCRXT05.75P5	Original Evaporative/Refueling Family	LCRXR0204RP0
Original Test Vehicle Model Year	2020		

Vehicle Model

Represented Test Vehicle Make	Dodge	Represented Test Vehicle Model	Durango AWD
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Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
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Drive Sources and Fuel System Details

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AA-250	Rated Horsepower	295
Displacement (liters)	5.7		
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	0	Air Aspiration Device Configuration	--
Charge Air Cooler Type	--	Drive Mode While Testing	2-Wheel Drive, Rear
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	5427	Equivalent Test Weight (pounds)	5500
GVWR (lbs)	7100	N/V Ratio	23.7
Axle Ratio	3.09		
Transmission Type	Automatic	# of Transmission Gears	8
Transmission Lockup	Yes	Creep Gear	No

Dynamometer Coefficients:

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

Emission Control Device Comments --

Certification Summary Information Report

Test Group	VCRXT03.0576	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									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.32966</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.32966	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.32966	--							
Manufacturer Test Comments									
Callout: 20EV-T05.75P5-1; Cert 3-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.07971 , Diurnal (g) = 0.22553; Total =(0.30524 X 1.08) = 0.32966 (g)									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.3297	0.0090	0.339	0.500	Pass	
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.3297	0.0090	0.339	0.500	Pass	

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
Test #	LCRX91004326	Test Procedure	27 - California fuel 2-day evap
Exhaust Test # for this Evap Test	LCRX91004321	Test Fuel Type	46 - CARB LEV3 E10 Regular
Test Date	06/21/2019	Fuel	Gasoline
Fuel Batch ID	26757	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	3127.1	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No

Test Results

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

Manufacturer Test Comments

Hot_Soak_HC_(g) = 0.060512, Diurnal (gHC) = 0.294986

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

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
Test #	LCRX10059603	Test Procedure	37 - California Fuel Running Loss
Exhaust Test # for this Evap Test	LCRX10059602	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	03/29/2019	Fuel	Gasoline
Fuel Batch ID	10760	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	CTC		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	2949	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

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

Manufacturer Test Comments

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

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

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0						
Test #	LCRX10059606	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	LCRX10059601	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	05/07/2019	Fuel	Gasoline						
Fuel Batch ID	10760	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	CTC								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	3038	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <tr> <td>Test Result Name</td> <td>Unrounded Test Result</td> <td>Verify Calculated FE Equivalent Value</td> </tr> <tr> <td>HC (Hydrocarbon for Running Loss and ORVR)</td> <td>0.02268</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC (Hydrocarbon for Running Loss and ORVR)	0.02268	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC (Hydrocarbon for Running Loss and ORVR)	0.02268	--							
Manufacturer Test Comments									
Callout: 20EV-T05.75P5-1; Cert ORVR(cE10)=(0.021 x 1.08) = 0.02268 (g/gallon)									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC	0.023	0.000	0.02	0.20	Pass	
CA	150,000 miles	Other	HC	0.023	0.000	0.02	0.20	Pass	

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0						
Test #	LCRX10073747	Test Procedure	65 - Evap Canister Bleed Test						
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular						
Test Date	01/31/2021	Fuel	Gasoline						
Fuel Batch ID	--	Fuel Calibration Number	--						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Vexa								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	0	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	--	Road Speed Fan Usage	--						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0129</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0129	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0129	--							
Manufacturer Test Comments									
Test run on a rig with aged components (not actual vehicle)									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.0129	0.0000	0.013	0.020	Pass	
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.0129	0.0000	0.013	0.020	Pass	

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0						
Emission Data Vehicle Information									
Vehicle ID / Configuration	L6WSJ9601 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TCRXT03.0574	Original Evaporative/Refueling Family	TCRXR0230RR0						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Jeep	Represented Test Vehicle Model	Grand Wagoneer L 4x4						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AA-9000	Rated Horsepower	420						
Displacement (liters)	3								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Parallel						
Charge Air Cooler Type	Liquid	Drive Mode While Testing	2-Wheel Drive, Rear						
Shift Indicator Light Usage	Equipped, not shifted by SIL	Aged Emission Components	150,000 (mi)						
Curb Weight (lbs)	6119	Equivalent Test Weight (pounds)	6500						
GVWR (lbs)	7950	N/V Ratio	26.7						
Axle Ratio	3.92								
Transmission Type	Automatic	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family		VCRXR0204RR0	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	64.47	-0.0177	0.03671	32.6	-0.1444	0.03436	20.7	
Cold CO	70.92	-0.0195	0.04038	22.76	-0.0397	0.0365	N/A	
US06	64.47	-0.0177	0.03671	32.6	-0.1444	0.03436	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		callout: 26RC-001-1						

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
Test #	TCRX10092021	Test Procedure	25 - California fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	08/19/2025	Fuel	Gasoline
Fuel Batch ID	11430	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	5124	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			

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	520.48	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.487562	--	
FE BAG 1 (Bag 1 Fuel Economy)	16.78	16.78	
CH4 BAG 1 (Bag 1 Methane)	0.011994	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0427	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.42	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.03061	--	
FE BAG 2 (Bag 2 Fuel Economy)	17.24	17.24	
CH4 BAG 2 (Bag 2 Methane)	0.002658	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	430.64	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.053771	--	
FE BAG 3 (Bag 3 Fuel Economy)	20.31	20.31	
CH4 BAG 3 (Bag 3 Methane)	0.003922	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
METHANE (CH4 - Methane)	0.004946	--	
CO (Carbon Monoxide)	0.131953	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.15	--	
DT-EER (Drive Trace Energy Economy Rating)	-1.454	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-3.079	--	
MFR FE (Manufacturer Fuel Economy)	17.9	17.9	
NOX (Nitrogen Oxide)	0.010661	--	
N2O (Nitrous Oxide)	0.000906	--	
HC-NM (Non-methane Hydrocarbon)	0.008102	--	
NMOG (Non-methane organic gases)	0.00888	--	
PM (Particulate Matter)	0.000201	--	
HC-TOTAL (Total Hydrocarbon)	0.012076	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	489	489	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	489.02748	--	

Manufacturer Test Comments

26RC-001-1 city 150k Auto ESSon WLTP LEV IV cE10

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family					VCRXR0204RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.13	--	--	--	0	1	0.1	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.38	--	--	--	0	1	0.4	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	489	--	--	--	0	1	489	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	489	--	--	--	0	1	489	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0089	--	--	--	0	1	0.009	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0196	--	--	--	--	--	0.020	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0128	--	--	--	0	1	0.013	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0107	--	--	--	0	1	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0002	--	--	--	0	1	0.000	0.003	Pass
CA	150,000 miles	Other	CO	0.13	--	--	--	0	1	0.1	1.0	Pass
CA	150,000 miles	Other	CO-COMP	0.38	--	--	--	0	1	0.4	4.2	Pass
CA	150,000 miles	Other	NMOG	0.0089	--	--	--	0	1	0.009	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0196	--	--	--	--	--	0.020	0.030	Pass
CA	150,000 miles	Other	NMOG+NOX-COMP	0.0128	--	--	--	0	1	0.013	0.030	Pass
CA	150,000 miles	Other	NOX	0.0107	--	--	--	0	1	0.011	999.999	Pass
CA	150,000 miles	Other	PM	0.0002	--	--	--	0	1	0.000	0.001	Pass

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

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
Test #	TCRX10092027	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	08/24/2025	Fuel	Gasoline
Fuel Batch ID	11425	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	5308	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			

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0																																																																											
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>624.74</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>4.193782</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>13.76</td><td>13.76</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.144343</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.964</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>571.74</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.390401</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>15.26</td><td>15.26</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.003227</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0035</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>478.61</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.089974</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>18.23</td><td>18.23</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.008241</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0024</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.033858</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>1.096241</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>0.6301</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>0.4934</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>1.2685</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>15.6</td><td>15.6</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.02327</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.18411</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.2023</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	624.74	--	CO BAG 1 (Bag 1 Carbon Monoxide)	4.193782	--	FE BAG 1 (Bag 1 Fuel Economy)	13.76	13.76	CH4 BAG 1 (Bag 1 Methane)	0.144343	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.964	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	571.74	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.390401	--	FE BAG 2 (Bag 2 Fuel Economy)	15.26	15.26	CH4 BAG 2 (Bag 2 Methane)	0.003227	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0035	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	478.61	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.089974	--	FE BAG 3 (Bag 3 Fuel Economy)	18.23	18.23	CH4 BAG 3 (Bag 3 Methane)	0.008241	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0024	--	METHANE (CH4 - Methane)	0.033858	--	CO (Carbon Monoxide)	1.096241	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.6301	--	DT-EER (Drive Trace Energy Economy Rating)	0.4934	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.2685	--	MFR FE (Manufacturer Fuel Economy)	15.6	15.6	NOX (Nitrogen Oxide)	0.02327	--	HC-NM (Non-methane Hydrocarbon)	0.18411	--	NMOG (Non-methane organic gases)	0.2023	--		
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Manufacturer Test Comments	26RC-001-1 city 150k Auto ESSon WLTP CCO																																																																													

Certification Summary Information Report

Test Group		VCRXT03.0576				Evaporative/Refueling Family				VCRXR0204RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 30	CO	1.10	--	--	--	0	1	1.1	12.5	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	HC-NM	0.18	--	--	--	0	1	0.2	0.4	Pass
CA	50,000 miles	Other	CO	1.10	--	--	--	0	1	1.1	12.5	Pass

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0																																	
Test #	TCRX10092024	Test Procedure	3 - HWFE																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline																																	
Test Date	08/20/2025	Fuel	Gasoline																																	
Fuel Batch ID	11430	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	--	Odometer Units	M																																	
Test Start Odometer Reading	5197	Diesel Adjustment Factor Usage	--																																	
4WD Test Dyno	No																																			
State of Charge Delta	No																																			
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																	
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Manufacturer Test Comments	26RC-001-1 hwy rerun 150k Auto ESSon WLTP LEV IV cE10																																			

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family					VCRXR0204RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	306	--	--	--	0	1	306	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0003	--	--	--	0	1	0.000	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0013	--	--	--	--	--	0.001	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0010	--	--	--	0	1	0.001	999.999	Pass
CA	150,000 miles	Other	NMOG	0.0003	--	--	--	0	1	0.000	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0013	--	--	--	--	--	0.001	0.030	Pass
CA	150,000 miles	Other	NOX	0.0010	--	--	--	0	1	0.001	999.999	Pass

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

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
Test #	TCRX10092022	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	08/19/2025	Fuel	Gasoline
Fuel Batch ID	11430	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	5163	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			

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0																																																																		
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>801.12</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.424185</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>10.91</td><td>10.91</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.01267</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.006</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>419.21</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>1.324295</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>20.76</td><td>20.76</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.007093</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0072</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.008332</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>1.124339</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-3.458</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-2.132</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-5.978</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>17.3</td><td>17.3</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.011093</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.006708</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.006911</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.000711</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.014563</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	801.12	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.424185	--	FE BAG 1 (Bag 1 Fuel Economy)	10.91	10.91	CH4 BAG 1 (Bag 1 Methane)	0.01267	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.006	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	419.21	--	CO BAG 2 (Bag 2 Carbon Monoxide)	1.324295	--	FE BAG 2 (Bag 2 Fuel Economy)	20.76	20.76	CH4 BAG 2 (Bag 2 Methane)	0.007093	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0072	--	METHANE (CH4 - Methane)	0.008332	--	CO (Carbon Monoxide)	1.124339	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-3.458	--	DT-EER (Drive Trace Energy Economy Rating)	-2.132	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-5.978	--	MFR FE (Manufacturer Fuel Economy)	17.3	17.3	NOX (Nitrogen Oxide)	0.011093	--	HC-NM (Non-methane Hydrocarbon)	0.006708	--	NMOG (Non-methane organic gases)	0.006911	--	PM (Particulate Matter)	0.000711	--	HC-TOTAL (Total Hydrocarbon)	0.014563	--		
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Manufacturer Test Comments	26RC-001-1 hwy 150k Auto ESSon WLTP LEV IV cE10																																																																				

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family					VCRXR0204RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	1.12	--	--	--	0	1	1.1	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0069	--	--	--	0	1	0.007	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0111	--	--	--	0	1	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0007	--	--	--	0	1	0.001	0.006	Pass
CA	150,000 miles	Other	CO	1.12	--	--	--	0	1	1.1	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0069	--	--	--	0	1	0.007	999.999	Pass
CA	150,000 miles	Other	NOX	0.0111	--	--	--	0	1	0.011	999.999	Pass
CA	150,000 miles	Other	PM	0.0007	--	--	--	0	1	0.001	0.006	Pass

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0																																	
Test #	TCRX10092023	Test Procedure	95 - SC03																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline																																	
Test Date	08/19/2025	Fuel	Gasoline																																	
Fuel Batch ID	11430	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	--	Odometer Units	M																																	
Test Start Odometer Reading	5179	Diesel Adjustment Factor Usage	--																																	
4WD Test Dyno	No																																			
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																																				
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Manufacturer Test Comments	26RC-001-1 sc03 150k Auto ESSon WLTP LEV IV cE10																																			

Certification Summary Information Report

Test Group		VCRXT03.0576				Evaporative/Refueling Family				VCRXR0204RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.05	--	--	--	0	1	0.0	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	--	--	--	0	1	0.000	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0023	--	--	--	0	1	0.002	999.999	Pass
CA	150,000 miles	Other	CO	0.05	--	--	--	0	1	0.0	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0000	--	--	--	0	1	0.000	999.999	Pass
CA	150,000 miles	Other	NOX	0.0023	--	--	--	0	1	0.002	999.999	Pass

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
Fuel Properties			
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	11430	Fuel Calibration Number	1
Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline	Fuel Batch Calibration Date	07/25/2025
Fuel Batch Calibration Effective Date	07/25/2025	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	0.751
Fuel Ethanol Volume Percent (%)	9.3	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.582	Fuel Carbon Mass Fraction (E10)	0.828
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	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	11425	Fuel Calibration Number	1
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	07/09/2025
Fuel Batch Calibration Effective Date	07/09/2025	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	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.741
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.445	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0204RR0						
Consolidated List of Standards									
Exhaust Standards									
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	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.006
Cert Region				Federal	Cert/In-Use Code	Cert			
Vehicle Class				LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	Standard Level	Federal Tier 3 Bin 30			
Fuel				Gasoline	Test Procedure	California fuel 2-day exhaust (w/can load)			
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	0	1.0
150,000 miles	CO-COMP	--	--	--	--	--	1	0	4.2
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0	0.030
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.003

Certification Summary Information Report

Test Group		VCRXT03.0576			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 30	
Fuel		Gasoline			Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.030
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
Cert Region		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	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		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	1.0
150,000 miles	CO-COMP	--	--	--	--	--	1	0	4.2
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0	0.030
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.001

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Test Group		VCRXT03.0576			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			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	1	0	12.5
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	0	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	1	0	12.5
150,000 miles	HC-NM	--	--	--	--	--	1	0	0.4

Certification Summary Information Report

Test Group	VCRXT03.0576				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	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.030
150,000 miles	NOX	--	--	--	--	--	1	0	999.999

Cert Region	Federal				Cert/In-Use Code			Cert	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)				Standard Level			Federal Tier 3 Bin 30	
Fuel	Gasoline				Test Procedure			US06	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	0	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.006

Evaporative/Refueling Standards

Evaporative/Refueling Family		VCRXR0204RR0		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		Other	
Test Procedure		California fuel 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		Federal fuel refueling test (ORVR)							
Fuel		Useful Life		Emission Name		Rounded Result		Std	Add DF
Gasoline		150,000 miles		HC		--		0.20	0.000

Certification Summary Information Report

Test Group		VCRXT03.0576		Evaporative/Refueling Family		VCRXR0204RR0	
Evaporative/Refueling Family		VCRXR0204RR0		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		
Evaporative/Refueling Family		VCRXR0204RR0		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0090		
Evaporative/Refueling Family		VCRXR0204RR0		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		Other	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0.0000		
Evaporative/Refueling Family		VCRXR0204RR0		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC	--	0.20	0.000		
Evaporative/Refueling Family		VCRXR0204RR0		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California fuel 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		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0090		

Certification Summary Information Report

Test Group		VCRXT03.0576		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 Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		

Certification Summary Information Report

Test Group		VCRXT03.0576	Evaporative/Refueling Family		VCRXR0204RR0
Glossary					
Useful Life					
4	4,000 miles		120	120,000 miles	
50	50,000 miles		150	150,000 miles	
100	100,000 miles				
Emission Name					
HC-TOTAL	Total Hydrocarbon		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide		LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon		KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent		CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent		CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases		CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde		CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde		CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide		CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol		NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy		NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy		NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy		NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy		ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy		ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR		ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane		ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol		HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide		HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams		HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours		HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours		WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours		WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VCRXT03.0576	Evaporative/Refueling Family		VCRXR0204RR0
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VCRXT03.0576	Evaporative/Refueling Family		VCRXR0204RR0
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VCRXT03.0576	Evaporative/Refueling Family		VCRXR0204RR0
F	2-Wheel Drive, Front		A	All Wheel Drive	
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter		ICI	Independent Commercial Importer	
CSI	Certificate Summary Information		ORVR	Onboard Refueling Vapor Recovery	
DF	Deterioration Factor		SIL	Shift Indicator Light	
Evap	Evaporation, Evaporative		Trans	Transmission	

Certification Summary Information Report

Manufacturer	FCA US LLC	Manufacturer Code	CRX
Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	06/18/2026 12:14:37 PM
Model Year	2027		

Test Group Information

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

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Gasoline	Spark Ignition Direct 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	VCRXGPGNNF16	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VCRXT03.0573
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	2
OBD Deficiencies Comments	SAE J1979-2 Implementation, Adaptive Cruise Control and Parallel Park Systems Default Action		
Mfr Test Group Comments	T4iBIN30 E10 - City Litmus Value: 13.7; City Litmus Threshold: 13.0; Hwy Litmus Value: 18.0; Hwy Litmus Threshold: 16.6		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	06/16/2026 03:01:05 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)	230	Number of Primary Canisters	1				
Number of Bleed Canisters	0	Bleed Canister Total Working Capacity (grams)	0				
Mfr Evaporative/Refueling Family Comments	This Evaporative Family is being certified with an evaporative FEL of 0.550 grams, using credits as compared to the nominal standard of 0.500 grams.						
Leak Family Details							
Leak Family Indicator	Yes						
Canister Bleed Test Indicator	Yes	Applicability of Evaporative Canister Bleed Test	50 State				
Evaporative Canister Bleed Test Comments	--						
CARB Fuel Only (Rig) Test Indicator	No	Applicability of CARB Fuel Only (Rig) Test	--				
CARB Fuel Only (Rig) Test Comments	--						
Leak Family Name	Applicability of Leak Family Requirements	Leak Family Standard (inches)	Leak Family Description				
VCRXR0230RR0-LF1	50 State	0.02	--				
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
FCA US LLC	5 - Jeep	578 - Grand Wagoneer L 4x4	Federal	All Wheel Drive	Automatic	8	Yes
FCA US LLC	5 - Jeep	573 - Grand Wagoneer L 4x2	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	8	Yes
FCA US LLC	5 - Jeep	578 - Grand Wagoneer L 4x4	California + CAA Section 177 states	All Wheel Drive	Automatic	8	Yes
FCA US LLC	5 - Jeep	573 - Grand Wagoneer L 4x2	Federal	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	Inline	Mfr Engine Block Arrangement Description	--				
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	0w-20				
Number of Cylinders/Rotors	6	Mechanically Variable Compression Ratio Indicator	N				

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
After Treatment Device(s) (ATD)			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
1	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic
2	Three-way catalyst	Platinum + Rhodium	Ceramic
3	Three-way catalyst	Palladium + Rhodium	Ceramic
Mfr After Treatment Device (ATD) Comments			
		THREE WAY CATALYST	
Direct Ozone Reduction (DOR) Device			
		Not Equipped	
Mfr Emission Control Device Comments			
		--	
Engine Configuration Number 1			
Engine Displacement (liters)	3.0	Engine Rated Horsepower	420
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	2
Air Aspiration Device Configuration	Parallel	Charge Air Cooler Type	Liquid
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	electro-hydraulic controlled		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
Number of Knock Sensors	3	Number of Air/Fuel Sensors	4
Air/Fuel Sensor # 1 Type	Heated air fuel	Air/Fuel Sensor # 1 Description	--
Air/Fuel Sensor # 2 Type	Heated air fuel	Air/Fuel Sensor # 2 Description	--
Air/Fuel Sensor # 3 Type	Heated oxygen	Air/Fuel Sensor # 3 Description	--
Air/Fuel Sensor # 4 Type	Heated oxygen	Air/Fuel Sensor # 4 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	Yes	Cooled Exhaust Gas Recirculation	Yes
EGR Type	Electronic/Electric	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	No		
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	3.0L EFH GDI Dual Turbo		

Certification Summary Information Report

Test Group		VCRXT03.0576				Evaporative/Refueling Family			VCRXR0230RR0		
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		TCRX10092021	TCRX10092022	TCRX10092023	TCRX10092027	TCRX10092024	14.3	13.9	19.5	19.6	1.0

SFTP LEV-III Official Test Numbers				
Test Group Fuel		FTP	US06	SC03
Gasoline		TCRX10092021	TCRX10092022	TCRX10092023

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
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Emission Data Vehicle Information

Vehicle ID / Configuration	L3WSJ8111 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	PCRXT03.05P2	Original Evaporative/Refueling Family	PCRXR0230RP0
Original Test Vehicle Model Year	2023		

Vehicle Model

Represented Test Vehicle Make	Jeep	Represented Test Vehicle Model	Grand Wagoneer L 4x4
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Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
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Drive Sources and Fuel System Details

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AA-0100	Rated Horsepower	510
Displacement (liters)	3		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Parallel
Charge Air Cooler Type	Liquid	Drive Mode While Testing	2-Wheel Drive, Rear
Shift Indicator Light Usage	Equipped, not shifted by SIL	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	6619	Equivalent Test Weight (pounds)	7000
GVWR (lbs)	8000	N/V Ratio	28
Axle Ratio	3.92		
Transmission Type	Automatic	# of Transmission Gears	8
Transmission Lockup	Yes	Creep Gear	No

Dynamometer Coefficients:

Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)		C (lbf/mph**2)
City/Highway/Evap	76.9	-0.106	0.0374	35.92	-0.166	0.03596	22

Emission Control Device Comments --

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0						
Manufacturer Test Vehicle Comments	callout: 23EV-T03.05P2-1								
Test #	PCR10075664	Test Procedure	27 - California fuel 2-day evap						
Exhaust Test # for this Evap Test	PCR10075662	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	05/28/2022	Fuel	Gasoline						
Fuel Batch ID	11094	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	4040	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.333958</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.333958	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.333958	--							
Manufacturer Test Comments	Callout: 23EV-T03.05P2-1; Cert 2-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.03553, Diurnal (g) = 0.27369; 2DayTotal = (0.03553+0.27369)*1.08 = 0.3339576(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	0.3340	0.0057	0.340	0.550	Pass	
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.3340	0.0057	0.340	0.550	Pass	

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
Test #	PCR10075666	Test Procedure	38 - CA fuel 3-day evap.
Exhaust Test # for this Evap Test	PCR10075661	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	05/12/2022	Fuel	Gasoline
Fuel Batch ID	11094	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	3968	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)	0.481313	--

Manufacturer Test Comments

Callout: 23EV-T03.05P2-1; Cert 3-Day/Evap (cE10) Hot_Soak_HC_(g) = 0.10322, Diurnal (g) = 0.34244; 3DayTotal = (0.10322+0.34244)*1.08 = 0.4813128 (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	0.4813	0.0090	0.490	0.550	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.4813	0.0090	0.490	0.550	Pass

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0						
Test #	PCR10075665	Test Procedure	37 - California Fuel Running Loss						
Exhaust Test # for this Evap Test	PCR10075661	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	05/12/2022	Fuel	Gasoline						
Fuel Batch ID	11094	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	3951	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0012161</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0012161	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0012161	--							
Manufacturer Test Comments									
Callout: 23EV-T03.05P2-1; Cert Evap RL test(cE10) RL=(0.001126* 1.08)=0.00121608									
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	0.001	0.000	0.00	0.05	Pass	
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.001	0.000	0.00	0.05	Pass	

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0						
Test #	PCR10075667	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	PCR10075660	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	04/13/2022	Fuel	Gasoline						
Fuel Batch ID	11084	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	3798	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <tr> <td>Test Result Name</td> <td>Unrounded Test Result</td> <td>Verify Calculated FE Equivalent Value</td> </tr> <tr> <td>HC (Hydrocarbon for Running Loss and ORVR)</td> <td>0.04104</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC (Hydrocarbon for Running Loss and ORVR)	0.04104	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC (Hydrocarbon for Running Loss and ORVR)	0.04104	--							
Manufacturer Test Comments									
Callout: 23EV-T03.05P2-1; Cert ORVR(cE10) ORVR = 0.038*1.08 = 0.04104 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	0.041	0.000	0.04	0.20	Pass	
CA	150,000 miles	Other	HC	0.041	0.000	0.04	0.20	Pass	

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0						
Test #	PCR10075695	Test Procedure	65 - Evap Canister Bleed Test						
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	02/03/2022	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									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0146</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0146	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0146	--							
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	0.0146	0.0000	0.015	0.020	Pass	
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.0146	0.0000	0.015	0.020	Pass	

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0						
Emission Data Vehicle Information									
Vehicle ID / Configuration	L6WSJ9601 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TCRXT03.0574	Original Evaporative/Refueling Family	TCRXR0230RR0						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Jeep	Represented Test Vehicle Model	Grand Wagoneer L 4x4						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AA-9000	Rated Horsepower	420						
Displacement (liters)	3								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Parallel						
Charge Air Cooler Type	Liquid	Drive Mode While Testing	2-Wheel Drive, Rear						
Shift Indicator Light Usage	Equipped, not shifted by SIL	Aged Emission Components	150,000 (mi)						
Curb Weight (lbs)	6119	Equivalent Test Weight (pounds)	6500						
GVWR (lbs)	7950	N/V Ratio	26.7						
Axle Ratio	3.92								
Transmission Type	Automatic	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family		VCRXR0230RR0	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	64.47	-0.0177	0.03671	32.6	-0.1444	0.03436	20.7	
Cold CO	70.92	-0.0195	0.04038	22.76	-0.0397	0.0365	N/A	
US06	64.47	-0.0177	0.03671	32.6	-0.1444	0.03436	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		callout: 26RC-001-1						

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
Test #	TCRX10092021	Test Procedure	25 - California fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	08/19/2025	Fuel	Gasoline
Fuel Batch ID	11430	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	5124	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			

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	520.48	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.487562	--	
FE BAG 1 (Bag 1 Fuel Economy)	16.78	16.78	
CH4 BAG 1 (Bag 1 Methane)	0.011994	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0427	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.42	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.03061	--	
FE BAG 2 (Bag 2 Fuel Economy)	17.24	17.24	
CH4 BAG 2 (Bag 2 Methane)	0.002658	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	430.64	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.053771	--	
FE BAG 3 (Bag 3 Fuel Economy)	20.31	20.31	
CH4 BAG 3 (Bag 3 Methane)	0.003922	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
METHANE (CH4 - Methane)	0.004946	--	
CO (Carbon Monoxide)	0.131953	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.15	--	
DT-EER (Drive Trace Energy Economy Rating)	-1.454	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-3.079	--	
MFR FE (Manufacturer Fuel Economy)	17.9	17.9	
NOX (Nitrogen Oxide)	0.010661	--	
N2O (Nitrous Oxide)	0.000906	--	
HC-NM (Non-methane Hydrocarbon)	0.008102	--	
NMOG (Non-methane organic gases)	0.00888	--	
PM (Particulate Matter)	0.000201	--	
HC-TOTAL (Total Hydrocarbon)	0.012076	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	489	489	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	489.02748	--	

Manufacturer Test Comments

26RC-001-1 city 150k Auto ESSon WLTP LEV IV cE10

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family					VCRXR0230RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.13	--	--	--	0	1	0.1	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.38	--	--	--	0	1	0.4	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	489	--	--	--	0	1	489	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	489	--	--	--	0	1	489	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0089	--	--	--	0	1	0.009	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0196	--	--	--	--	--	0.020	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0128	--	--	--	0	1	0.013	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0107	--	--	--	0	1	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0002	--	--	--	0	1	0.000	0.003	Pass
CA	150,000 miles	Other	CO	0.13	--	--	--	0	1	0.1	1.0	Pass
CA	150,000 miles	Other	CO-COMP	0.38	--	--	--	0	1	0.4	4.2	Pass
CA	150,000 miles	Other	NMOG	0.0089	--	--	--	0	1	0.009	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0196	--	--	--	--	--	0.020	0.030	Pass
CA	150,000 miles	Other	NMOG+NOX-COMP	0.0128	--	--	--	0	1	0.013	0.030	Pass
CA	150,000 miles	Other	NOX	0.0107	--	--	--	0	1	0.011	999.999	Pass
CA	150,000 miles	Other	PM	0.0002	--	--	--	0	1	0.000	0.001	Pass

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

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
Test #	TCRX10092027	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	08/24/2025	Fuel	Gasoline
Fuel Batch ID	11425	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	5308	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			

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0																																																																											
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>624.74</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>4.193782</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>13.76</td><td>13.76</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.144343</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.964</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>571.74</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.390401</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>15.26</td><td>15.26</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.003227</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0035</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>478.61</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.089974</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>18.23</td><td>18.23</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.008241</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0024</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.033858</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>1.096241</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>0.6301</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>0.4934</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>1.2685</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>15.6</td><td>15.6</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.02327</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.18411</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.2023</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	624.74	--	CO BAG 1 (Bag 1 Carbon Monoxide)	4.193782	--	FE BAG 1 (Bag 1 Fuel Economy)	13.76	13.76	CH4 BAG 1 (Bag 1 Methane)	0.144343	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.964	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	571.74	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.390401	--	FE BAG 2 (Bag 2 Fuel Economy)	15.26	15.26	CH4 BAG 2 (Bag 2 Methane)	0.003227	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0035	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	478.61	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.089974	--	FE BAG 3 (Bag 3 Fuel Economy)	18.23	18.23	CH4 BAG 3 (Bag 3 Methane)	0.008241	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0024	--	METHANE (CH4 - Methane)	0.033858	--	CO (Carbon Monoxide)	1.096241	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.6301	--	DT-EER (Drive Trace Energy Economy Rating)	0.4934	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.2685	--	MFR FE (Manufacturer Fuel Economy)	15.6	15.6	NOX (Nitrogen Oxide)	0.02327	--	HC-NM (Non-methane Hydrocarbon)	0.18411	--	NMOG (Non-methane organic gases)	0.2023	--		
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																																																											
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Certification Summary Information Report

Test Group		VCRXT03.0576				Evaporative/Refueling Family				VCRXR0230RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 30	CO	1.10	--	--	--	0	1	1.1	12.5	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	HC-NM	0.18	--	--	--	0	1	0.2	0.4	Pass
CA	50,000 miles	Other	CO	1.10	--	--	--	0	1	1.1	12.5	Pass

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0																																	
Test #	TCRX10092024	Test Procedure	3 - HWFE																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline																																	
Test Date	08/20/2025	Fuel	Gasoline																																	
Fuel Batch ID	11430	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	--	Odometer Units	M																																	
Test Start Odometer Reading	5197	Diesel Adjustment Factor Usage	--																																	
4WD Test Dyno	No																																			
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																																				
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Manufacturer Test Comments	26RC-001-1 hwy rerun 150k Auto ESSon WLTP LEV IV cE10																																			

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family					VCRXR0230RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	306	--	--	--	0	1	306	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0003	--	--	--	0	1	0.000	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0013	--	--	--	--	--	0.001	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0010	--	--	--	0	1	0.001	999.999	Pass
CA	150,000 miles	Other	NMOG	0.0003	--	--	--	0	1	0.000	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0013	--	--	--	--	--	0.001	0.030	Pass
CA	150,000 miles	Other	NOX	0.0010	--	--	--	0	1	0.001	999.999	Pass

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

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
Test #	TCRX10092022	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	08/19/2025	Fuel	Gasoline
Fuel Batch ID	11430	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	--	Odometer Units	M
Test Start Odometer Reading	5163	Diesel Adjustment Factor Usage	--
4WD Test Dyno	No		
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			

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0																																																																		
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Certification Summary Information Report

Test Group		VCRXT03.0576				Evaporative/Refueling Family				VCRXR0230RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	1.12	--	--	--	0	1	1.1	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0069	--	--	--	0	1	0.007	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0111	--	--	--	0	1	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0007	--	--	--	0	1	0.001	0.006	Pass
CA	150,000 miles	Other	CO	1.12	--	--	--	0	1	1.1	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0069	--	--	--	0	1	0.007	999.999	Pass
CA	150,000 miles	Other	NOX	0.0111	--	--	--	0	1	0.011	999.999	Pass
CA	150,000 miles	Other	PM	0.0007	--	--	--	0	1	0.001	0.006	Pass

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0																																	
Test #	TCRX10092023	Test Procedure	95 - SC03																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline																																	
Test Date	08/19/2025	Fuel	Gasoline																																	
Fuel Batch ID	11430	Fuel Calibration Number	1																																	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined																																	
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Manufacturer Test Comments	26RC-001-1 sc03 150k Auto ESSon WLTP LEV IV cE10																																			

Certification Summary Information Report

Test Group		VCRXT03.0576				Evaporative/Refueling Family				VCRXR0230RR0		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.05	--	--	--	0	1	0.0	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	--	--	--	0	1	0.000	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0023	--	--	--	0	1	0.002	999.999	Pass
CA	150,000 miles	Other	CO	0.05	--	--	--	0	1	0.0	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0000	--	--	--	0	1	0.000	999.999	Pass
CA	150,000 miles	Other	NOX	0.0023	--	--	--	0	1	0.002	999.999	Pass

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
Fuel Properties			
Fuel Batch ID	11430	Fuel Calibration Number	1
Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline	Fuel Batch Calibration Date	07/25/2025
Fuel Batch Calibration Effective Date	07/25/2025	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	0.751
Fuel Ethanol Volume Percent (%)	9.3	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.582	Fuel Carbon Mass Fraction (E10)	0.828
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	11094	Fuel Calibration Number	1
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	05/03/2022
Fuel Batch Calibration Effective Date	05/03/2022	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	0.752
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18005
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	11084	Fuel Calibration Number	1
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	02/03/2022
Fuel Batch Calibration Effective Date	02/03/2022	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	0.752
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17992
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	11425	Fuel Calibration Number	1
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	07/09/2025
Fuel Batch Calibration Effective Date	07/09/2025	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	VCRXT03.0576	Evaporative/Refueling Family	VCRXR0230RR0
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.741
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.445	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group	VCRXT03.0576	Evaporative/Refueling Family				VCRXR0230RR0			
Consolidated List of Standards									
Exhaust Standards									
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	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.006
Cert Region									
Federal									
Cert/In-Use Code									
Cert									
Vehicle Class									
LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)									
Standard Level									
Federal Tier 3 Bin 30									
Fuel									
Gasoline									
Test Procedure									
California fuel 2-day exhaust (w/can load)									
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	0	1.0
150,000 miles	CO-COMP	--	--	--	--	--	1	0	4.2
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0	0.030
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.003

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family			VCRXR0230RR0	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.030
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
Cert Region		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	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		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	1.0
150,000 miles	CO-COMP	--	--	--	--	--	1	0	4.2
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0	0.030
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.001

Certification Summary Information Report

Test Group		VCRXT03.0576			Evaporative/Refueling Family			VCRXR0230RR0	
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	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 30	
Fuel		Gasoline			Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	0	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	1	0	12.5
150,000 miles	HC-NM	--	--	--	--	--	1	0	0.4

Certification Summary Information Report

Test Group	VCRXT03.0576				Evaporative/Refueling Family			VCRXR0230RR0	
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	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.030
150,000 miles	NOX	--	--	--	--	--	1	0	999.999

Cert Region	Federal				Cert/In-Use Code			Cert	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)				Standard Level			Federal Tier 3 Bin 30	
Fuel	Gasoline				Test Procedure			US06	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	0	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.006

Evaporative/Refueling Standards

Evaporative/Refueling Family		VCRXR0230RR0		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		VCRXR0230RR0		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	--	0.550	0.0090		

Certification Summary Information Report

Test Group		VCRXT03.0576		Evaporative/Refueling Family		VCRXR0230RR0	
Evaporative/Refueling Family		VCRXR0230RR0		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	--	0.550	0.0090		
Evaporative/Refueling Family		VCRXR0230RR0		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	--	0.550	0.0057		
Evaporative/Refueling Family		VCRXR0230RR0		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	--	0.550	0.0057		
Evaporative/Refueling Family		VCRXR0230RR0		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		VCRXR0230RR0		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		VCRXR0230RR0		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		Other	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC	--	0.20	0.000		

Certification Summary Information Report

Test Group		VCRXT03.0576		Evaporative/Refueling Family		VCRXR0230RR0	
Evaporative/Refueling Family		VCRXR0230RR0		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		VCRXR0230RR0		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC	--	0.20	0.000		

Certification Summary Information Report

Test Group		VCRXT03.0576	Evaporative/Refueling Family		VCRXR0230RR0
Glossary					
Useful Life					
4	4,000 miles		120	120,000 miles	
50	50,000 miles		150	150,000 miles	
100	100,000 miles				
Emission Name					
HC-TOTAL	Total Hydrocarbon		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide		LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon		KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent		CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent		CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases		CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde		CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde		CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide		CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol		NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy		NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy		NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy		NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy		ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy		ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR		ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane		ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol		HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide		HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams		HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours		HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours		WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours		WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VCRXT03.0576	Evaporative/Refueling Family		VCRXR0230RR0
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VCRXT03.0576	Evaporative/Refueling Family		VCRXR0230RR0
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VCRXT03.0576	Evaporative/Refueling Family		VCRXR0230RR0
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 - VCRXT03.0576**

EPA COMP CODE	AA-1000	AA-2000	AA-3000	AA-4000	AA-5000	AA-6000	AA-7000	AA-8000
E0V:Ignition Control Module								
E10:Powertrain Control Module								
E11:Transmission Control Module								
E19:Electronic Brake Boost Control Module								
E1G:Electronic Brake Boost Control Module (29-Bit)								
F01:Fuel Tank								
F18:Fuel Pump - High Pressure								
F36:Fuel Filler Receptacle								
F40:Throttle Body								
F50:Fuel Injector								
F55:Fuel Pressure Regulator								
F58:Fuel Pump Control Module								
F59:Fuel Pressure Sensor								
F70:Evap. Canister Assembly								
F79:ESIM (Evaporative System Integrity Monitor)								
H10:Catalytic Converter								
H31:Sensor - Differential Pressure								

EPA COMP CODE	AA-1000	AA-2000	AA-3000	AA-4000	AA-5000	AA-6000	AA-7000	AA-8000
I05:Spark Plug								
I10:Ignition Coil								
L01:Heated Oxygen Sensor								
L12:Accelerator Pedal Position Sensor								
L15:Camshaft Position Sensor								
L16:Crankshaft Position Sensor								
L20:Knock Sensor								
L25:Vehicle Speed Sensor								
M07:Oil Temperature Sensor								
M10:Ambient Temperature Sensor								
M11:EGR Temperature Sensor								
M15:Engine Coolant Temperature Sensor								
N17:Crankshaft Target Wheel								
N30:Turbocharger								
N31:Charge Air Cooler								
N50:Engine Thermostat								
N56:EGR Valve								
N57:EGR Cooler								
N91:Evaporative Canister to Tank Hose								
N95:Evaporative System Purge Valve to Intake Manifold Hose								

EPA COMP CODE	AA-1000	AA-2000	AA-3000	AA-4000	AA-5000	AA-6000	AA-7000	AA-8000
V01:PCV Valve								
V05:MAP Sensor								
V07:Mass Airflow Sensor								
V36:TC Wastegate Actuator								
V63:Evap. Can. Purge Solenoid								
V71:Crankcase Pressure Sensor								
Z01:VECI Label								

Section11-100 Engine Parts List

FCA US LLC

Test Group :VCRXT03.0576

Durability Group: VCRXGPGNNF16 Standard Fed: Bin30 Cal: N/A

Trans. Code	Sales Code	Transfer Case Sales Code/Drive Code	No. of Gears	Over Drive Gear Ratio	Drive Gear Ratio	Engine Sales Code	Torque Code	Torque Size	Conv Clutch Control Type Calib/Special Features
L8	DC1	DHR / 4F DKA / 4F	8	0.640	5.500,3.520,2.200,1.720,1.301,1.000,0.833,0.640	EFH	N/A		Electronically shifted data on file

Section12-200 Transmission

FCA US LLC

VCRXT03.0576

Durability Group:
VCRXGPGNNF16

Standard Fed: Bin30+ Cal: N/A

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

Engine Code AA-1000

Eng Displ: 3.0L (EFH)

Evap Family - Evap Code: VCRXR0230RR0-30.5

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
WSJA76	Jeep: Grand Wagoneer L 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7600	6500	7000	3.55	24.7	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
							3062	3631	3.55	24.8	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
							6195	6897	3.55	24.9	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
									3.55	24.2	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038
									3.92	27.3	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
									3.92	27.4	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
									3.92	27.5	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
									3.92	26.7	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038
WSJA76	Jeep: Grand Wagoneer L 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7700	6500	7000	3.92	27.3	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
							3048	3645	3.92	27.4	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
							6192	6946	3.92	27.5	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
									3.92	26.7	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038
WSJA76	Jeep: Grand Wagoneer L 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7800	6500	7000	3.92	27.3	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
							3097	3696	3.92	27.4	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
							6331	7066	3.92	27.5	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
									3.92	26.7	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038
WSJA76	Jeep: Grand Wagoneer L 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7950	6500	7000	3.92	27.3	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
							3143	3769	3.92	27.4	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
							6378	7164	3.92	27.5	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
									3.92	26.7	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038

Engine Code AA-2000

Eng Displ: 3.0L (EFH)

Evap Family - Evap Code: VCRXR0230RR0-30.5

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
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WSJA76	Jeep: Grand Wagoneer L 4x4		L8 - 4WD DC1 / DHR-4F DKA-4F		7600	6500	7000	3.55	24.7	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
						3062	3631	3.55	24.8	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
						6195	6897	3.55	24.9	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
								3.55	24.2	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038
WSJA76	Jeep: Grand Wagoneer L 4x4		L8 - 4WD DC1 / DHR-4F DKA-4F		7700	6500	7000	3.55	24.7	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
						3048	3645	3.55	24.8	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
						6192	6946	3.55	24.9	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
								3.55	24.2	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038
WSJA76	Jeep: Grand Wagoneer L 4x4		L8 - 4WD DC1 / DHR-4F DKA-4F		7800	6500	7000	3.55	24.7	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
						3097	3696	3.55	24.8	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
						6331	7066	3.55	24.9	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
								3.55	24.2	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038
WSJA76	Jeep: Grand Wagoneer L 4x4		L8 - 4WD DC1 / DHR-4F DKA-4F		7950	6500	7000	3.55	24.7	275/65R18 TVL	TZB	EX680A	20.48	19.6	57.70000	-0.0847	0.03754	63.47000	-0.0932	0.04129
						3143	3769	3.55	24.8	275/55R20 TTG	TZB	ER026I	20.52	19.6	57.21000	-0.1642	0.03920	62.93000	-0.1806	0.04312
						6378	7164	3.55	24.9	275/55R20 TTH	TZN	CRDTA4C	19.96	20.1	59.77000	-0.0295	0.03712	65.75000	-0.0324	0.04083
								3.55	24.2	285/45R22XL TAR	TZP	23477	19.41	20.7	64.47000	-0.0177	0.03671	70.92000	-0.0195	0.04038

Engine Code AA-3000 Eng Displ: 3.0L (EFH) Evap Family - Evap Code: VCRXR0230RR0-30.5

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
WSTA76	Jeep: Grand Wagoneer L 4x2			L8 - RWD DC1		7300	6000	6500	3.92	27.4	275/55R20 TTG	TZB	ER026I	20.57	18.0	57.00000	-0.3981	0.03931	62.70000	-0.4379	0.04324
							2912	3505	3.92	27.3	275/65R18 TVL	TZB	EX680A	20.55	18.1	57.64000	-0.4189	0.03953	63.40000	-0.4608	0.04348
							5847	6573	3.92	26.7	285/45R22XL TAR	TZP	23477	19.53	19.0	63.55000	-0.3577	0.03875	69.90000	-0.3935	0.04262
WSTA76	Jeep: Grand Wagoneer L 4x2			L8 - RWD DC1		7400	6000	6500	3.92	27.4	275/55R20 TTG	TZB	ER026I	20.57	18.0	57.00000	-0.3981	0.03931	62.70000	-0.4379	0.04324
							2959	3540	3.92	27.3	275/65R18 TVL	TZB	EX680A	20.55	18.1	57.64000	-0.4189	0.03953	63.40000	-0.4608	0.04348
							5841	6621	3.92	26.7	285/45R22XL TAR	TZP	23477	19.53	19.0	63.55000	-0.3577	0.03875	69.90000	-0.3935	0.04262

Engine Code AA-4000 Eng Displ: 3.0L (EFH) Evap Family - Evap Code: VCRXR0230RR0-30.5

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
WSTA76	Jeep: Grand Wagoneer L 4x2			L8 - RWD DC1		7300	6000	6500	3.55	24.8	275/55R20 TTG	TZB	ER026I	20.57	18.0	57.00000	-0.3981	0.03931	62.70000	-0.4379	0.04324
							2912	3505	3.55	24.7	275/65R18 TVL	TZB	EX680A	20.55	18.1	57.64000	-0.4189	0.03953	63.40000	-0.4608	0.04348
							5847	6573	3.55	24.2	285/45R22XL TAR	TZP	23477	19.53	19.0	63.55000	-0.3577	0.03875	69.90000	-0.3935	0.04262
WSTA76	Jeep: Grand Wagoneer L 4x2			L8 - RWD DC1		7400	6000	6500	3.55	24.8	275/55R20 TTG	TZB	ER026I	20.57	18.0	57.00000	-0.3981	0.03931	62.70000	-0.4379	0.04324
							2959	3540	3.55	24.7	275/65R18 TVL	TZB	EX680A	20.55	18.1	57.64000	-0.4189	0.03953	63.40000	-0.4608	0.04348
							5841	6621	3.55	24.2	285/45R22XL TAR	TZP	23477	19.53	19.0	63.55000	-0.3577	0.03875	69.90000	-0.3935	0.04262

Engine Code AA-5000 Eng Displ: 3.0L (EFH) Evap Family - Evap Code: VCRXR0204RR0-26.5

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
WSJA75	Jeep: Grand Wagoneer 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7400	6000 2891 5933	6500 3532 6666	3.92	27.3	275/65R18 TVL	TZB	EX680A	19.27	19.3	55.25000	-0.0896	0.03750	60.78000	-0.0986	0.04125
									3.92	27.4	275/55R20 TTG	TZB	ER026I	19.17	19.4	55.36000	-0.0668	0.03730	60.90000	-0.0735	0.04103
									3.92	27.5	275/55R20 TTH	TZN	CRDTA4C	19.16	19.4	55.24000	-0.1471	0.03899	60.76000	-0.1618	0.04289
									3.92	26.7	285/45R22XL TAR	TZP	23477	18.37	20.2	61.14000	-0.0287	0.03673	67.25000	-0.0316	0.04040
									3.92	27.3	275/55R20 TXP	TZJ	MZFKDT20-O	16.63	22.3	60.75000	0.60760	0.03048	66.82000	0.66840	0.03353
WSJA75	Jeep: Grand Wagoneer 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7500	6000 2939 5928	6500 3569 6714	3.92	27.3	275/65R18 TVL	TZB	EX680A	19.27	19.3	55.25000	-0.0896	0.03750	60.78000	-0.0986	0.04125
									3.92	27.4	275/55R20 TTG	TZB	ER026I	19.17	19.4	55.36000	-0.0668	0.03730	60.90000	-0.0735	0.04103
									3.92	27.5	275/55R20 TTH	TZN	CRDTA4C	19.16	19.4	55.24000	-0.1471	0.03899	60.76000	-0.1618	0.04289
									3.92	26.7	285/45R22XL TAR	TZP	23477	18.37	20.2	61.14000	-0.0287	0.03673	67.25000	-0.0316	0.04040
									3.92	27.3	275/55R20 TXP	TZJ	MZFKDT20-O	16.63	22.3	60.75000	0.60760	0.03048	66.82000	0.66840	0.03353
WSJA75	Jeep: Grand Wagoneer 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7600	6000 2907 5934	7000 3561 6767	3.92	27.3	275/65R18 TVL	TZB	EX680A	19.27	19.3	55.25000	-0.0896	0.03750	60.78000	-0.0986	0.04125
									3.92	27.4	275/55R20 TTG	TZB	ER026I	19.17	19.4	55.36000	-0.0668	0.03730	60.90000	-0.0735	0.04103
									3.92	27.5	275/55R20 TTH	TZN	CRDTA4C	19.16	19.4	55.24000	-0.1471	0.03899	60.76000	-0.1618	0.04289
									3.92	26.7	285/45R22XL TAR	TZP	23477	18.37	20.2	61.14000	-0.0287	0.03673	67.25000	-0.0316	0.04040
									3.92	27.3	275/55R20 TXP	TZJ	MZFKDT20-O	16.63	22.3	60.75000	0.60760	0.03048	66.82000	0.66840	0.03353

Engine Code AA-6000

Eng Displ: 3.0L (EFH)

Evap Family - Evap Code: VCRXR0204RR0-26.5

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
WSTA75	Jeep: Grand Wagoneer 4x2			L8 - RWD DC1		7200	6000 2788 5672	6500 3449 6436	3.92	27.4	275/55R20 TTG	TZB	ER026I	20.57	18.0	57.00000	-0.3981	0.03931	62.70000	-0.4379	0.04324
									3.92	27.3	275/65R18 TVL	TZB	EX680A	20.55	18.1	57.64000	-0.4189	0.03953	63.40000	-0.4608	0.04348
									3.92	26.7	285/45R22XL TAR	TZP	23477	19.53	19.0	63.55000	-0.3577	0.03875	69.90000	-0.3935	0.04262
WSTA75	Jeep: Grand Wagoneer 4x2			L8 - RWD DC1		7300	6000 2835 5728	6500 3490 6514	3.92	27.4	275/55R20 TTG	TZB	ER026I	20.57	18.0	57.00000	-0.3981	0.03931	62.70000	-0.4379	0.04324
									3.92	27.3	275/65R18 TVL	TZB	EX680A	20.55	18.1	57.64000	-0.4189	0.03953	63.40000	-0.4608	0.04348
									3.92	26.7	285/45R22XL TAR	TZP	23477	19.53	19.0	63.55000	-0.3577	0.03875	69.90000	-0.3935	0.04262

Engine Code AA-7000

Eng Displ: 3.0L (EFH)

Evap Family - Evap Code: VCRXR0204RR0-26.5

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
WSJA75	Jeep: Grand Wagoneer 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7400	6000 2891 5933	6500 3532 6666	3.55	24.7	275/65R18 TVL	TZB	EX680A	19.27	19.3	55.25000	-0.0896	0.03750	60.78000	-0.0986	0.04125
									3.55	24.8	275/55R20 TTG	TZB	ER026I	19.17	19.4	55.36000	-0.0668	0.03730	60.90000	-0.0735	0.04103
									3.55	24.9	275/55R20 TTH	TZN	CRDTA4C	19.16	19.4	55.24000	-0.1471	0.03899	60.76000	-0.1618	0.04289
									3.55	24.2	285/45R22XL TAR	TZP	23477	18.37	20.2	61.14000	-0.0287	0.03673	67.25000	-0.0316	0.04040
									3.55	24.7	275/55R20 TXP	TZJ	MZFKDT20-O	16.63	22.3	60.75000	0.60760	0.03048	66.82000	0.66840	0.03353
WSJA75	Jeep: Grand Wagoneer 4x4			L8 - 4WD DC1 / DHR-4F DKA-4F		7500	6000 2939 5928	6500 3569 6714	3.55	24.7	275/65R18 TVL	TZB	EX680A	19.27	19.3	55.25000	-0.0896	0.03750	60.78000	-0.0986	0.04125
									3.55	24.8	275/55R20 TTG	TZB	ER026I	19.17	19.4	55.36000	-0.0668	0.03730	60.90000	-0.0735	0.04103
									3.55	24.9	275/55R20 TTH	TZN	CRDTA4C	19.16	19.4	55.24000	-0.1471	0.03899	60.76000	-0.1618	0.04289
									3.55	24.2	285/45R22XL TAR	TZP	23477	18.37	20.2	61.14000	-0.0287	0.03673	67.25000	-0.0316	0.04040
									3.55	24.7	275/55R20 TXP	TZJ	MZFKDT20-O	16.63	22.3	60.75000	0.60760	0.03048	66.82000	0.66840	0.03353
WSJA75	Jeep: Grand			L8 - 4WD DC1 /		7600	6000 2907 5934	7000 3561 6767	3.55	24.7	275/65R18 TVL	TZB	EX680A	19.27	19.3	55.25000	-0.0896	0.03750	60.78000	-0.0986	0.04125
									3.55	24.8	275/55R20 TTG	TZB	ER026I	19.17	19.4	55.36000	-0.0668	0.03730	60.90000	-0.0735	0.04103
									3.55	24.9	275/55R20 TTH	TZN	CRDTA4C	19.16	19.4	55.24000	-0.1471	0.03899	60.76000	-0.1618	0.04289

Wagoneer 4x4		DHR-4F DKA-4F					3.55	24.2	285/45R22XL TAR	TZP	23477	18.37	20.2	61.14000	-0.0287	0.03673	67.25000	-0.0316	0.04040
							3.55	24.7	275/55R20 TXP	TZJ	MZFKDT20-O	16.63	22.3	60.75000	0.60760	0.03048	66.82000	0.66840	0.03353

Engine Code AA-8000**Eng Displ: 3.0L (EFH)****Evap Family - Evap Code: VCRXR0204RR0-26.5**

Model	Carline Name	Model Qualifiers	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
WSTA75	Jeep: Grand Wagoneer 4x2			L8 - RWD DC1		7200	6000 2788 5672	6500 3449 6436	3.55 3.55 3.55	24.8 24.7 24.2	275/55R20 TTG 275/65R18 TVL 285/45R22XL TAR	TZB TZB TZP	ER026I EX680A 23477	20.57 20.55 19.53	18.0 18.1 19.0	57.00000 57.64000 63.55000	-0.3981 -0.4189 -0.3577	0.03931 0.03953 0.03875	62.70000 63.40000 69.90000	-0.4379 -0.4608 -0.3935	0.04324 0.04348 0.04262
WSTA75	Jeep: Grand Wagoneer 4x2			L8 - RWD DC1		7300	6000 2835 5728	6500 3490 6514	3.55 3.55 3.55	24.8 24.7 24.2	275/55R20 TTG 275/65R18 TVL 285/45R22XL TAR	TZB TZB TZP	ER026I EX680A 23477	20.57 20.55 19.53	18.0 18.1 19.0	57.00000 57.64000 63.55000	-0.3981 -0.4189 -0.3577	0.03931 0.03953 0.03875	62.70000 63.40000 69.90000	-0.4379 -0.4608 -0.3935	0.04324 0.04348 0.04262

Section12-300 Vehicle

FCA US LLC

Test Group: VCRXT03.0576 - Engine Code Index**Durability Group:
VCRXGPGNNF16****Standard : Bin30+ / NA Vehicle Class: LDT4 (ALVW >5750, LVW 0-3750, GVW 6001-8500) / N/A****Engine Code: AA-1000 - WSJ LWB 3.0L SO (EFH) 880RE (DC1) 3.92 Axle 30.5 Gallons 4WD**

Engine Code	RC/FF #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-1000	Original		3.0L/EFH	WS		L8/ Automatic L8 - Lockup/Automatic/8-speed	7600	7950	6500	6500	4WD	NAS

Engine Code: AA-2000 - WSJ LWB 3.0L SO (EFH) 880RE (DC1) 3.55 Axle 30.5 Gallons 4WD

Engine Code	RC/FF #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-2000	Original		3.0L/EFH	WS		L8/ Automatic L8 - Lockup/Automatic/8-speed	7600	7950	6500	6500	4WD	NAS

Engine Code: AA-3000 - WST LWB 3.0L SO (EFH) 880RE (DC1) 3.92 Axle 30.5 Gallons RWD

Engine Code	RC/FF #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-3000	Original		3.0L/EFH	WS		L8/ Automatic L8 - Lockup/Automatic/8-speed	7300	7400	6000	6000	RWD	NAS

Engine Code: AA-4000 - WST LWB 3.0L SO (EFH) 880RE (DC1) 3.55 Axle 30.5 Gallons RWD

Engine Code	RC/FF #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-4000	Original		3.0L/EFH	WS		L8/ Automatic L8 - Lockup/Automatic/8-speed	7300	7400	6000	6000	RWD	NAS

Engine Code: AA-5000 - WSJ SWB 3.0L SO (EFH) 880RE (DC1) 3.92 Axle 26.5 Gallons 4WD

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
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AA-5000	Original		3.0L/EFH	WS		L8/ Automatic L8 - Lockup/Automatic/8-speed	7400	7800	6000	6000	4WD	NAS
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Engine Code: AA-6000 - WST SWB 3.0L SO (EFH) 880RE (DC1) 3.92 Axle 26.5 Gallons RWD

Engine Code	RC/FF #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-6000	Original		3.0L/EFH	WS		L8/ Automatic L8 - Lockup/Automatic/8-speed	7200	7300	6000	6000	RWD	NAS

Engine Code: AA-7000 - WSJ SWB 3.0L SO (EFH) 880RE (DC1) 3.55 Axle 26.5 Gallons 4WD

Engine Code	RC/FF #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-7000	Original		3.0L/EFH	WS		L8/ Automatic L8 - Lockup/Automatic/8-speed	7400	7800	6000	6000	4WD	NAS

Engine Code: AA-8000 - WST SWB 3.0L SO (EFH) 880RE (DC1) 3.55 Axle 26.5 Gallons RWD

Engine Code	RC/FF #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-8000	Original		3.0L/EFH	WS		L8/ Automatic L8 - Lockup/Automatic/8-speed	7200	7300	6000	6000	RWD	NAS

Test Group: VCRXT03.0576 - No Engine Code Changes

Durability Group: VCRXGPGNNF16 Standard Fed: Bin30 Cal: N/A

RC/FF #	Submission Date	Description
No Results Found		

Section12-500 Engine Code Index



Section 12 Vehicle Parameters

Valves per cylinder Engine
3.0 Liters - 4

Test Parameters

SIL usage: All - None

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

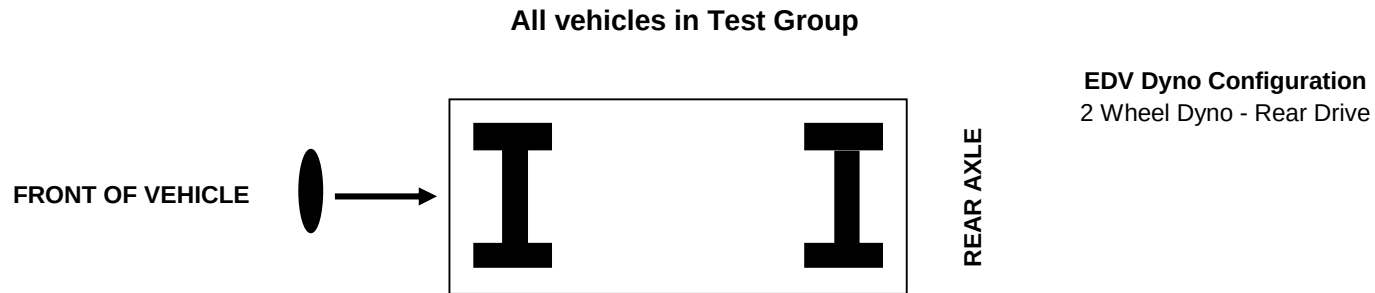
Additional Cooling: Models
All - None

Evaporative Testing Parameters: Model
WS - 204 grams
WS - 230 grams

Fuel temperature Profile: Models
WS - eWD
WS - eWS

Special Test Procedure: Models
All - none

FAN POSITION DIAGRAM



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



June 17, 2026

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

Dear Mr. Dalton:

Re: 2027 Model Year LDT Certificate of Conformity Request

FCA US LLC requests a 2027 MY Certificate of Conformity for the 3.0L Interim Tier 4 Federal and 50 State test group VCRXT03.0576 with evaporative families: VCRXR0204RR0 and VCRXR0230RR0. This test group is being certified to Tier 4i BIN 30 standards. FCA US LLC agrees to meet the Tier 4i BIN 30 standards, and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.0576. FCA US LLC agrees that the exhaust and evaporative emission standards listed below and in the application for certification apply to both certification and in-use vehicles according to the provisions of 40 CFR, Parts 86 and 88, as applicable. FCA US LLC also elects to follow GHG path 86.1818(f)(1). The FTP emission standards for this LDT test group are as follows:

<u>Emission Standards</u>		<u>City/Hwy</u> <u>NMOG+NOx</u>	<u>CO</u>	<u>HCHO</u>	<u>PM</u>	
Tier 4i BIN 30	150K	0.030	1.0	0.004	0.003	
<u>Evaporative Standards</u>		<u>3-Day</u>	<u>2-Day</u>	<u>R/L</u>	<u>ORVR</u>	<u>Canister Bleed</u>
VCRXR0204RR0	150K	0.500	0.500	0.05	0.2	0.02
VCRXR0230RR0*	150K	0.550	0.550	0.05	0.2	0.02

* Evaporative Family VCRXR0230RR0 is being certified with an evaporative FEL of 0.550, using credits as compared to the nominal standard of 0.500, for LDT4 models.

Initial combined CREE for VCRXT03.0576 test group is = 406.7

The models in this test group are as follows:

Division / Model
Jeep Grand Wagoneer L, 4WD/RWD
Jeep Grand Wagoneer , 4WD/RWD

If there are any questions regarding this submission, please contact Kevin Wright at 248-946-2561 or Gary J. Arvan at 248.221.9461.

Sincerely,
FCA US LLC

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



May 19, 2026

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

Dear Mr. Dalton:

Re: 2027 Model Year LDT Certificate of Conformity Request

FCA US LLC requests a 2027 MY Certificate of Conformity for the 3.0L Interim Tier 4 Federal and 50 State test group VCRXT03.0576 with evaporative family: VCRXR0230RR0. This test group is being certified to Tier 4i BIN 30 standards. FCA US LLC agrees to meet the Tier 4i BIN 30 standards, and the regulations applicable to such vehicles during the useful lives of the vehicles in test group VCRXT03.0576. 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 provisions of 40 CFR, Parts 86 and 88, as applicable. FCA US LLC also elects to follow GHG path 86.1818(f)(1). The emission standards for this LDT test group are as follows:

<u>Emission Standards</u>		<u>City/Hwy</u> <u>NMOG+NOx</u>	<u>CO</u>	<u>HCHO</u>	<u>PM</u>		
Tier 4i BIN 30	150K	0.030	1.0	0.004	0.003		
<u>Evaporative Standards</u>		<u>3-Day</u>	<u>2-Day</u>	<u>R/L</u>	<u>ORVR</u>	<u>Canister Bleed</u>	
VCRXR0230RR0*	150K	0.550	0.550	0.05	0.2	0.02	

* Evaporative Family VCRXR0230RR0 is being certified with an evaporative FEL of 0.550, using credits as compared to the nominal standard of 0.500, for LDT4 models.

Initial combined CREE for VCRXT03.0576 test group is = 406.7

The models in this test group are as follows:

Division / Model
Jeep Grand Wagoneer L, 4X4

If there are any questions regarding this submission, please contact Kevin Wright at 248-946-2561 or Gary J. Arvan at 248.221.9461.

Sincerely,
FCA US LLC

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



June 17, 2026

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

Dear Ms. Lang:

Re: 2027 Model Year LDT Executive Order Request

FCA US LLC requests a 2027 MY Executive Order for the 3.0L 50 State test group VCRXT03.0576 with evaporative families: VCRXR0204RR0 and VCRXR0230RR0. This test group is being certified according to an alternate certification path provided in MAC ECCD-2025-08. FCA requests an EO based on the EPA Interim Tier 4 requirements as reflected in the enclosed EPA Certificates of Conformity and EPA Certification Summary Information.

FCA US LLC agrees to meet the Tier 4i BIN 30 emission standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.0576. FCA US LLC agrees that the exhaust and evaporative emission standards listed below and in the application for certification apply to both certification and in-use vehicles according to the provisions of 40 CFR, Parts 86 and 88, as applicable. FCA US LLC also elects to follow GHG path 86.1818(f)(1). The FTP emission standards for this LDT test group are as follows:

<u>Emission Standards</u>		<u>City/Hwy</u> <u>NMOG+NOx</u>	<u>CO</u>	<u>HCHO</u>	<u>PM</u>	
Tier 4i BIN 30	150K	0.030	1.0	0.004	0.003	
<u>Evaporative Standards</u>		<u>3-Day</u>	<u>2-Day</u>	<u>R/L</u>	<u>ORVR</u>	<u>Canister Bleed</u>
VCRXR0204RR0	150K	0.500	0.500	0.01	0.2	0.02
VCRXR0230RR0*	150K	0.550	0.550	0.01	0.2	0.02

* Evaporative Family VCRXR0230RR0 is being certified with an evaporative FEL of 0.550, using credits as compared to the nominal standard of 0.500, for LDT4 models.

Initial combined CREE for VCRXT03.0576 test group is = 406.7

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

If there are any questions regarding this submission, please contact Kevin Wright at 248-946-2561 or Gary J. Arvan at 248.221.9461.

Sincerely,

FCA US LLC

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

c: J. Nguyen
gja/kpw



May 19, 2026

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

Dear Ms. Lang:

Re: 2027 Model Year LDT Executive Order Request

FCA US LLC requests a 2027 MY Executive Order for the 3.0L 50 State test group VCRXT03.0576 with evaporative family: VCRXR0230RR0. This test group is being certified according to an alternate certification path provided in MAC ECCD-2025- 08. FCA requests an EO based on the EPA Interim Tier 4 requirements as reflected in the enclosed EPA Certificates of Conformity and EPA Certification Summary Information.

FCA US LLC agrees to meet the Tier 4i BIN 30 emission standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in test group VCRXT03.0576. FCA US LLC agrees that the exhaust and evaporative emission standards listed below and in the application for certification apply to both certification and in-use vehicles according to the provisions of 40 CFR, Parts 86 and 88, as applicable. FCA US LLC also elects to follow GHG path 86.1818(f)(1). The FTP emission standards for this LDT test group are as follows:

<u>Emission Standards</u>		City/Hwy NMOG+NOx	CO	HCHO	PM	
Tier 4i BIN 30	150K	0.030	1.0	0.004	0.003	
<u>Evaporative Standards</u>		3-Day	2-Day	R/L	ORVR	CanisterBleed
VCRXR0230RR0*	150K	0.550	0.550	0.05	0.2	0.02

* Evaporative Family VCRXR0230RR0 is being certified with an evaporative FEL of 0.550, using credits as compared to the nominal standard of 0.500, for LDT4 models.

Initial combined CREE for VCRXT03.0576 test group is = 406.7

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

If there are any questions regarding this submission, please contact Kevin Wright at 248-946-2561 or Gary J. Arvan at 248.221.9461.

Sincerely,

FCA US LLC

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

c: J. Nguyen
gja/kpw

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 04/23/2026

Process Code *

Submit Correction/Revision to Previous 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

Engine Family / Evaporative Family / Test Group *

VCRXT06.4571

Revised Engine Family / Evaporative Family /
Test Group

VCRXT03.0576

Original Payment Information

Payment Date *

02/05/2026



Amount Paid *

\$32,317.00

Check#/Wire/ACH/Pay.gov Tracking Number *

27VC76QA

Reason for Correction

Reason For Correction *

- ☐ Typographical error in original Engine Family / Evaporative Family / Test Group
- ☐ Overpayment for original family name, please apply the overpayment to the revised Engine Family / Evaporative Family / Test Group
- ☒ Other (explain in comments box)

Comments *

Original TG cancelled after payment, so moving the payment to a newly created TG

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S.

Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

The content of this document may contain Sensitive But Unclassified (SBU) data and/or Controlled Unclassified Information (CUI).

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

CARB USE ONLY

Invoice Name	MSF250698-2
Invoice Date	Apr 28, 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

Row Number	Previous Unique Application Identifier	Previously Selected Category Type	Previously Selected Fee Type	Paid Amount	Corrected Unique Application Identifier	Corrected Category Type	Corrected Fee Type	Corrected Amount	Amount Due
1	VCRXD00,0517	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00	VCRXD00,0517	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00	\$ 0.00
2	VCRXT02,0571	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT02,0571	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
3	VCRXT02,0572	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT02,0572	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
4	VCRXT03,0574	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT03,0574	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
5	VCRXT03,0572	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT03,0572	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
6	VCRXT03,0573	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT03,0573	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
		Light-duty vehicle test group and				Light-duty vehicle test group and			

7	VCRXT03.6561	medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT03.6561	medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
8	VCRXT03.6543	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT03.6543	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
9	VCRXD03.6576	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXD03.6576	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
10	VCRXD03.6575	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXD03.6575	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
11	VCRXT05.7560	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT05.7560	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
12	VCRXT05.7571	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT05.7571	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
13	VCRXT06.2570	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT06.2570	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
14	VCRXT06.2571	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT06.2571	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
15	VCRXT06.4570	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT06.4570	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
16	VCRXT06.4571	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXT03.0576	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
17	VCRXD06.4572	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXD06.4572	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
18	VCRXD06.4573	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXD06.4573	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
19	VCRXD06.4574	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXD06.4574	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
		Light-duty vehicle test				Light-duty vehicle test			

20	VCRXD06.4575	group and medium-duty vehicle test group	Base	\$ 50,309.00	VCRXD06.4575	group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
21	TCRXT03.6565	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00	TCRXT03.6565	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00	\$ 0.00
Total Invoice (MSF250698-1) Paid				\$ 1,016,895.00	Total Corrected				\$ 1,016,895.00
					Total Due				\$ 0.00

Notes

Changed UID from VCRXT06.4571 to VCRXT03.0576.

I,

Copy Date

Copy Action (Apr 28, 2025 15:14:24 EDT)

, 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





2027 50-State (NAS) WS

Test Group: VCRXT03.0576

FCA US LLC		VEHICLE EMISSION CONTROL INFORMATION		CONFORMS TO REGULATIONS: 2027 MY NO ADJUSTMENTS NEEDED	
U.S. EPA: T4I B30 L0T		OBD: CA OBD II		FUEL: GASOLINE	
		CA: N/A		OBD: N/A	
		FUEL: N/A		THIS VEHICLE CONFORMS TO FEDERAL REGULATIONS AND IS CERTIFIED FOR SALE IN CALIFORNIA	
GROUP: VCRXT03.0576		ENGINE: 3.0L		EVAP: VCRXR0204RR0 26.5 gal	
68778 021AA				VCRXR0230RR0 30.5 gal	
		CAC / DFI		EGR / EGRC	
		HO2S / TC		TWC / WR - HO2S	
					

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

VCRXT03.0576 Part 1 Section 15 - 100 (2027)