

## Certification Summary Information Report

<b>Manufacturer</b>	FCA US LLC	<b>Manufacturer Code</b>	CRX
<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1
<b>Certificate Number</b>	TCRXT06.2570-052	<b>CARB Executive Order #</b>	--
<b>Certificate Issue Date</b>	01/14/2026	<b>Certificate Revision Date</b>	--
<b>Certificate Effective Date</b>	01/14/2026	<b>Conditional Certificate</b>	No
<b>CSI Revision #</b>	--	<b>CSI Submission/Revision Date</b>	12/19/2025 10:33:35 AM
<b>Model Year</b>	2026		

  

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

  

<b>Hybrid Indicator</b>	No		
<b>Multiple Fuel Storage</b>	--	<b>Rechargeable Energy Storage System Indicator</b>	--
<b>Multiple Fuel Combustion</b>	--	<b>Off-board Charge Capable Indicator</b>	--
<b>Fuel Cell Indicator</b>	--	<b>EPA Vehicle Class</b>	LDT4
<b>Federal Clean Fuel Vehicle</b>	Yes	<b>Federal Clean Fuel Vehicle Standard</b>	LEV
<b>Federal Clean Fuel Vehicle ILEV</b>	No	<b>California Partial Zero Emissions Vehicle Indicator</b>	No
<b>Durability Group Name</b>	TCRXGPGNNF18	<b>Durability Group Equivalency Factor</b>	1.0
<b>Reduced Fee Test Group</b>	No	<b>Certification Region Code(s)</b>	FA, CA
<b>Complies with HD GHG 2b/3 regulations?</b>	No		
<b>Introduction into Commerce Date</b>	03/26/2026	<b>CAP2000 Conditional Certificate?</b>	No
<b>Independent Commercial Importer?</b>	No	<b>Alternative Fuel Converter Certificate?</b>	No
<b>SFTP Federal Composite Compliance Identifier</b>	Tier 3	<b>SFTP Tier 2 Composite CO Option</b>	No
<b>SFTP LEV-III Composite Compliance Indicator</b>	Yes		
<b>OBD Compliance Type</b>	CARB	<b>OBD Demonstration Vehicle Test Group</b>	TCRXT03.6560
<b>Test Group OBD Compliance Level</b>	Full - no deficiencies	<b>Number of Test Group OBD Deficiencies</b>	0
<b>OBD Deficiencies Comments</b>	--		
<b>Mfr Test Group Comments</b>	T3BIN70 E10 - City Litmus Value: 8.0; City Litmus Threshold: 7.5; Hwy Litmus Value: 11.9; Hwy Litmus Threshold: 11.3		
<b>Mfr Exhaust / Evap Standards Comments</b>	--		

## Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1				
<b>Evaporative/Refueling Family Information</b>							
<b>Evaporative Summary Information Type</b>	New	<b>Submission/Correction Date</b>	07/09/2025 04:37:58 PM				
<b>Integrated ORVR?</b>	Yes	<b>Fuel(s)</b>	Gasoline				
<b>Multiple Fuel Storage</b>	--						
<b>Bladder Fuel Tank?</b>	No						
<b>Fuel Tank Material</b>	Plastic	<b>Fuel Tank Material Description</b>	hdpe/co-ex				
<b>Fill Pipe Seal Type</b>	Liquid seal						
<b>Air Intake System Vapor Storage Device?</b>	Yes	<b>Air Intake System Vapor Storage Device Description</b>	HC Adsorber				
<b>Fuel System Vapor Storage Canister?</b>	Yes	<b>Other Vapor Storage</b>	--				
<b>Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)</b>	222	<b>Number of Primary Canisters</b>	1				
<b>Number of Bleed Canisters</b>	0	<b>Bleed Canister Total Working Capacity (grams)</b>	0				
<b>Mfr Evaporative/Refueling Family Comments</b>	--						
<b>Leak Family Details</b>							
<b>Leak Family Indicator</b>	Yes						
<b>Canister Bleed Test Indicator</b>	Yes	<b>Applicability of Evaporative Canister Bleed Test</b>	50 State				
<b>Evaporative Canister Bleed Test Comments</b>	--						
<b>CARB Fuel Only (Rig) Test Indicator</b>	No	<b>Applicability of CARB Fuel Only (Rig) Test</b>	--				
<b>CARB Fuel Only (Rig) Test Comments</b>	--						
<b>Leak Family Name</b>	<b>Applicability of Leak Family Requirements</b>	<b>Leak Family Standard (inches)</b>	<b>Leak Family Description</b>				
TCRXR0225RR1-LF1	50 State	0.02	--				
<b>Models Covered by this Certificate</b>							
<b>Carline Manufacturer</b>	<b>Division</b>	<b>Carline</b>	<b>Certification Region Code(s)</b>	<b>Drive System</b>	<b>Trans - Type</b>	<b>- # of Gears</b>	<b>Trans - Lockup</b>
FCA US LLC	12 - RAM	925 - 1500 4X4	Federal	All Wheel Drive	Automatic	8	Yes
FCA US LLC	12 - RAM	925 - 1500 4X4	California + CAA Section 177 states	All Wheel Drive	Automatic	8	Yes
<b>Engine Description</b>							
<b>Hybrid Type</b>	--	<b>Hybrid Description</b>	--				
<b>Engine Type</b>	4-Stroke Spark Ignition	<b>Mfr Engine Description</b>	--				
<b>Engine Block Arrangement</b>	V-shaped engine	<b>Mfr Engine Block Arrangement Description</b>	--				
<b>Camless Valvetrain Indicator</b>	No	<b>Oil Viscosity/Classification</b>	0W-40				
<b>Number of Cylinders/Rotors</b>	8	<b>Mechanically Variable Compression Ratio Indicator</b>	N				

### Certification Summary Information Report

<b>Test Group</b>		TCRXT06.2570			<b>Evaporative/Refueling Family</b>			TCRXR0225RR1								
<b>After Treatment Device(s) (ATD)</b>																
<b>ATD Number</b>		<b>ATD Type</b>		<b>ATD Precious Metal</b>		<b>Substrate Material</b>		<b>Substrate Construction</b>								
1		Three-way catalyst		Palladium + Rhodium		Ceramic		Monolith								
2		Three-way catalyst		Palladium + Rhodium		Ceramic		Monolith								
<b>Mfr After Treatment Device (ATD) Comments</b>		THREE WAY CATALYST														
<b>Direct Ozone Reduction (DOR) Device</b>		Not Equipped														
<b>Mfr Emission Control Device Comments</b>		--														
<b>Engine Configuration Number 1</b>																
<b>Engine Displacement (liters)</b>		6.2			<b>Engine Rated Horsepower</b>			740								
<b>Number of Inlet Valves Per Cylinder</b>		1			<b>Number of Exhaust Valves Per Cylinder</b>			1								
<b>Air Aspiration Method</b>		Supercharged			<b>Number of Air Aspiration Devices</b>			1								
<b>Air Aspiration Device Configuration</b>		Single			<b>Charge Air Cooler Type</b>			Liquid								
<b>Air Aspiration Drive Method(s)</b>		Mechanical														
<b>Cylinder Deactivation</b>		No														
<b>Cylinder Deactivation Description</b>		--														
<b>Variable Valve Timing</b>		Yes														
<b>Variable Valve Timing System Description</b>		Cam phaser														
<b>Variable Valve Lift?</b>		No														
<b>Variable Valve Lift System Description</b>		--														
<b>Number of Knock Sensors</b>		2			<b>Number of Air/Fuel Sensors</b>			4								
<b>Air/Fuel Sensor # 1 Type</b>		Heated oxygen			<b>Air/Fuel Sensor # 1 Description</b>			--								
<b>Air/Fuel Sensor # 2 Type</b>		Heated oxygen			<b>Air/Fuel Sensor # 2 Description</b>			--								
<b>Air/Fuel Sensor # 3 Type</b>		Heated oxygen			<b>Air/Fuel Sensor # 3 Description</b>			--								
<b>Air/Fuel Sensor # 4 Type</b>		Heated oxygen			<b>Air/Fuel Sensor # 4 Description</b>			--								
<b>Mfr Air/Fuel Sensor Comments</b>		--														
<b>Exhaust Gas Recirculation</b>		No			<b>Cooled Exhaust Gas Recirculation</b>			--								
<b>EGR Type</b>		--			<b>Exhaust Gas Recirculation Description if 'Other'</b>			--								
<b>Closed Loop Air Injection System</b>		No														
<b>Air Injection Type</b>		Not Applicable			<b>Air Injection Type if 'Other'</b>			--								
<b>Mfr Engine Configuration Comments</b>		--														
<b>Official Test Numbers</b>																
<b>Test Group</b>		<b>FTP</b>		<b>US06</b>		<b>SC03</b>		<b>Cold CO</b>		<b>Highway</b>		<b>EPA City Litmus Value</b>	<b>EPA City Litmus Threshold</b>	<b>EPA Highway Litmus Value</b>	<b>EPA Highway Litmus Threshold</b>	<b>CREE Weighting Factor</b>
Gasoline		TCRX10092782		TCRX10092780		TCRX10092781		TCRX10092783		TCRX10092779		8	7.5	11.9	10.8	1

## Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1
<b>SFTP LEV-III Official Test Numbers</b>			
<b>Test Group Fuel</b>	<b>FTP</b>	<b>US06</b>	<b>SC03</b>
Gasoline	TCRX10092782	TCRX10092780	TCRX10092781

## Certification Summary Information Report

Test Group	TCRXT06.2570	Evaporative/Refueling Family	TCRXR0225RR1						
<b>Emission Data Vehicle Information</b>									
Vehicle ID / Configuration	L6DT63822 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TCRXT06.2570	Original Evaporative/Refueling Family	TCRXR0225RR1						
Original Test Vehicle Model Year	2026								
<b>Vehicle Model</b>									
Represented Test Vehicle Make	RAM	Represented Test Vehicle Model	1500 4X4						
<b>Leak Family Details</b>									
Leak Family Identifier	--	Leak Family Name	--						
<b>Drive Sources and Fuel System Details</b>									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table>			Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AA-1000	Rated Horsepower	740						
Displacement (liters)	6.2								
Air Aspiration Method	Supercharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Liquid	Drive Mode While Testing	2-Wheel Drive, Rear						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6854	Equivalent Test Weight (pounds)	7000						
GVWR (lbs)	7800	N/V Ratio	23.7						
Axle Ratio	3.55								
Transmission Type	Automatic	# of Transmission Gears	8						
Transmission Lockup	Yes	Creeper Gear	No						

## Certification Summary Information Report

Test Group		TCRXT06.2570			Evaporative/Refueling Family			TCR XR0225RR1
<b>Dynamometer Coefficients:</b>								
		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	83.25	-0.2067	0.05757	17.7	0.5933	0.04614	28.9	
Cold CO	91.58	-0.2274	0.06333	14.63	0.3736	0.05394	N/A	
US06	83.25	-0.2067	0.05757	17.7	0.5933	0.04614	N/A	
Emission Control Device Comments	--							
Manufacturer Test Vehicle Comments	callout: 26DA-T06.2570-1							

## Certification Summary Information Report

Test Group	TCRXT06.2570	Evaporative/Refueling Family	TCRXR0225RR1
<b>Test #</b>	<b>TCRX10092782</b>	<b>Test Procedure</b>	<b>25 - California fuel 2-day exhaust (w/can load)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	47 - CARB LEV3 E10 Premium Gasoline
<b>Test Date</b>	11/23/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	11460	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	CPG		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4093	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	No
<b>Test Results</b>			



## Certification Summary Information Report

Test Group		TCRXT06.2570			Evaporative/Refueling Family					TCR XR0225RR1		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.74	--	--	--	0.66	1	1.4	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO-COMP	2.21	--	--	--	0.66	1	2.2	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	925	--	--	--	0	1	925	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	METHANE	0.0061	--	--	--	0.0155	1	0.022	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	N2O	0.0003	--	--	--	0.0002	1	0	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0148	--	--	--	0.0275	1	0.042	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.021	--	--	--	--	--	0.048	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX-COMP	0.0351	--	--	--	0.0275	1	0.035	0.060	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0062	--	--	--	0	1	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0002	--	--	--	0	1	0	0.003	Pass
CA	150,000 miles	Other	CO	0.74	--	--	--	0.66	1	1.4	1.7	Pass
CA	150,000 miles	Other	CO-COMP	2.21	--	--	--	0.66	1	2.2	4.2	Pass
CA	150,000 miles	Other	METHANE	0.0061	--	--	--	0.0155	1	0.022	0.030	Pass
CA	150,000 miles	Other	N2O	0.0003	--	--	--	0.0002	1	0	0.010	Pass
CA	150,000 miles	Other	NMOG	0.0148	--	--	--	0.0275	1	0.042	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.021	--	--	--	--	--	0.048	0.070	Pass
CA	150,000 miles	Other	NMOG+NOX-COMP	0.0351	--	--	--	0.0275	1	0.035	0.060	Pass
CA	150,000 miles	Other	NOX	0.0062	--	--	--	0	1	0.006	999.999	Pass
CA	150,000 miles	Other	PM	0.0002	--	--	--	0	1	0	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	TCRXT06.2570	Evaporative/Refueling Family	TCRXR0225RR1
<b>Test #</b>	<b>TCRX10092783</b>	<b>Test Procedure</b>	<b>11 - Cold CO</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	29 - Cold CO E10 Premium Gasoline (Tier 3)
<b>Test Date</b>	12/04/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	11427	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	CTC		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4137	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	No
<b>Test Results</b>			

## Certification Summary Information Report

Test Group	TCRXT06.2570	Evaporative/Refueling Family	TCR XR0225RR1
	<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated FE Equivalent Value (miles per gallon)</b>
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	1039.57	--
	CO BAG 1 (Bag 1 Carbon Monoxide)	7.252692	--
	FE BAG 1 (Bag 1 Fuel Economy)	8.24	8.24
	CH4 BAG 1 (Bag 1 Methane)	0.075875	--
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	1.3317	--
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	1026.22	--
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.975272	--
	FE BAG 2 (Bag 2 Fuel Economy)	8.46	8.46
	CH4 BAG 2 (Bag 2 Methane)	0.003273	--
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0013	--
	CO2 BAG 3 (Bag 3 Carbon Dioxide)	857.91	--
	CO BAG 3 (Bag 3 Carbon Monoxide)	0.458906	--
	FE BAG 3 (Bag 3 Fuel Economy)	10.12	10.12
	CH4 BAG 3 (Bag 3 Methane)	0.00557	--
	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--
	METHANE (CH4 - Methane)	0.018957	--
	CO (Carbon Monoxide)	2.13532	--
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.0215	--
	DT-EER (Drive Trace Energy Economy Rating)	0.9009	--
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.9302	--
	MFR FE (Manufacturer Fuel Economy)	8.8	8.8
	NOX (Nitrogen Oxide)	0.022628	--
	HC-NM (Non-methane Hydrocarbon)	0.251385	--
	NMOG (Non-methane organic gases)	0.2768	--
	<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated CREE/OPT-CREE</b>
	Carbon-Related Exhaust Emissions	987	--
	<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated CO2</b>
	Carbon dioxide	982.82726	--

Manufacturer Test Comments

26DA-T06.2570-1 city 4k Sport Fixed CCO

## Certification Summary Information Report

Test Group		TCRXT06.2570				Evaporative/Refueling Family				TCR XR0225RR1		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 70	CO	2.14	--	--	--	0.09	1	2.2	12.5	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	HC-NM	0.25	--	--	--	0.02	1	0.3	0.5	Pass
CA	50,000 miles	Other	CO	2.14	--	--	--	0.09	1	2.2	12.5	Pass

## Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1
<b>Test #</b>	<b>TCRX10092779</b>	<b>Test Procedure</b>	<b>3 - HWFE</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	47 - CARB LEV3 E10 Premium Gasoline
<b>Test Date</b>	11/21/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	11460	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	CPG		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4036	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	No

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.000922	--
CO (Carbon Monoxide)	0.437354	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.439	--
DT-EER (Drive Trace Energy Economy Rating)	0.1781	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.403	--
MFR FE (Manufacturer Fuel Economy)	15.2	15.2
NOX (Nitrogen Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.00017	--
NMOG (Non-methane organic gases)	0.000175	--
HC-TOTAL (Total Hydrocarbon)	0.001055	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	571	571

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	570.44917	--

**Manufacturer Test Comments** 26DA-T06.2570-1 hwy 4k Sport Fixed cpE10

## Certification Summary Information Report

Test Group		TCRXT06.2570			Evaporative/Refueling Family					TCR XR0225RR1		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	571	--	--	--	0	1	571	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0002	--	--	--	0.0275	1	0.028	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0002	--	--	--	--	--	0.028	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0	--	--	--	0	1	0	999.999	Pass
CA	150,000 miles	Other	NMOG	0.0002	--	--	--	0.0275	1	0.028	999.999	Pass
CA	150,000 miles	Other	NMOG+NOX	0.0002	--	--	--	--	--	0.028	0.070	Pass
CA	150,000 miles	Other	NOX	0	--	--	--	0	1	0	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	TCRXT06.2570	Evaporative/Refueling Family	TCRXR0225RR1
<b>Test #</b>	<b>TCRX10092780</b>	<b>Test Procedure</b>	<b>90 - US06</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	47 - CARB LEV3 E10 Premium Gasoline
<b>Test Date</b>	11/21/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	11460	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	CPG		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4062	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	No
<b>Test Results</b>			



## Certification Summary Information Report

Test Group		TCRXT06.2570				Evaporative/Refueling Family				TCRXR0225RR1		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	3.76	--	--	--	0.66	1	4.4	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0008	--	--	--	0.0275	1	0.028	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0002	--	--	--	0	1	0	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0006	--	--	--	0	1	0.001	0.006	Pass
CA	150,000 miles	Other	CO	3.76	--	--	--	0.66	1	4.4	999.9	Pass
CA	150,000 miles	Other	NMOG	0.0008	--	--	--	0.0275	1	0.028	999.999	Pass
CA	150,000 miles	Other	NOX	0.0002	--	--	--	0	1	0	999.999	Pass
CA	150,000 miles	Other	PM	0.0006	--	--	--	0	1	0.001	0.006	Pass

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCR XR0225RR1
<b>Test #</b>	<b>TCRX10092781</b>	<b>Test Procedure</b>	<b>95 - SC03</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	47 - CARB LEV3 E10 Premium Gasoline
<b>Test Date</b>	11/21/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	11460	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	CPG		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4079	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>METHANE (CH4 - Methane)</b>	0.002744	--
<b>CO (Carbon Monoxide)</b>	0.647448	--
<b>DT-ASCR (Drive Trace Absolute Speed Change Rating)</b>	1.0265	--
<b>DT-EER (Drive Trace Energy Economy Rating)</b>	1.8286	--
<b>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</b>	1.6619	--
<b>MFR FE (Manufacturer Fuel Economy)</b>	8.6	8.6
<b>NOX (Nitrogen Oxide)</b>	0.000024	--
<b>HC-NM (Non-methane Hydrocarbon)</b>	0	--
<b>NMOG (Non-methane organic gases)</b>	0	--
<b>HC-TOTAL (Total Hydrocarbon)</b>	0.001782	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
<b>Carbon-Related Exhaust Emissions</b>	1010	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
<b>Carbon dioxide</b>	1008.64862	--

**Manufacturer Test Comments**                      26DA-T06.2570-1 sc03 4k Sport RSF cpE10

## Certification Summary Information Report

Test Group		TCRXT06.2570		Evaporative/Refueling Family				TCR XR0225RR1				
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.65	--	--	--	0.66	1	1.3	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0	--	--	--	0.0275	1	0.028	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0	--	--	--	0	1	0	999.999	Pass
CA	150,000 miles	Other	CO	0.65	--	--	--	0.66	1	1.3	999.9	Pass
CA	150,000 miles	Other	NMOG	0	--	--	--	0.0275	1	0.028	999.999	Pass
CA	150,000 miles	Other	NOX	0	--	--	--	0	1	0	999.999	Pass

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1
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**Emission Data Vehicle Information**

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

**Vehicle Model**

Represented Test Vehicle Make	RAM	Represented Test Vehicle Model	1500 4X4
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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 Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Fuel Cell Indicator	--	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	--		
Off-board charge Capable Indicator	--	Odometer Correction Factor	1
Odometer Correction -- Initial	0	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor	
Odometer Correction Sign	Miles		
Odometer Correction Units	Miles	Rated Horsepower	395
Engine Code	AA-525	Air Aspiration Method, if 'Other'	
Displacement (liters)	5.7	Air Aspiration Device Configuration	--
Air Aspiration Method	Naturally Aspirated	Drive Mode While Testing	2-Wheel Drive, Rear
Number of Air Aspiration Devices	0	Aged Emission Components	4,000 (mi)
Charge Air Cooler Type	--	Equivalent Test Weight (pounds)	6000
Shift Indicator Light Usage	Not equipped	N/V Ratio	29.2
Curb Weight (lbs)	5675	# of Transmission Gears	8
GVWR (lbs)	6900	Creeper Gear	No
Axle Ratio	3.92		
Transmission Type	Automatic		
Transmission Lockup	Yes		

**Dynamometer Coefficients:**

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	85.82	-0.1391	0.041	37.43	0.3681	0.03185	24.2
US06	85.82	-0.1391	0.041	37.43	0.3681	0.03185	N/A

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCR XR0225RR1
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**Emission Control Device Comments** --  
**Manufacturer Test Vehicle Comments** Callout: 18EV-T05.75P2-1; Evaporative Vehicle

<b>Test #</b>	<b>JCRX10049387</b>	<b>Test Procedure</b>	<b>38 - CA fuel 3-day evap.</b>
<b>Exhaust Test # for this Evap Test</b>	JCRX10049355	<b>Test Fuel Type</b>	46 - CARB LEV3 E10 Regular Gasoline
<b>Test Date</b>	06/13/2017	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	10465	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	CTC		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	4253	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	--		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.48023	--

**Manufacturer Test Comments** Callout: 18EV-T05.75P2-1; Cert 3-Day/Evap confirmatory; (cE10) Hot\_Soak\_HC\_(g) = 0.08541, Diurnal (g) = 0.35925; Total =(0.44466 X 1.08) = 0.48023 (g)

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.4802	0.009	0.489	0.5	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.4802	0.009	0.489	0.5	Pass

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1
<b>Test #</b>	<b>JCRX91003631</b>	<b>Test Procedure</b>	<b>27 - California fuel 2-day evap</b>
<b>Exhaust Test # for this Evap Test</b>	JCRX91003614	<b>Test Fuel Type</b>	46 - CARB LEV3 E10 Regular
<b>Test Date</b>	07/21/2017	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	24670	<b>Fuel Calibration Number</b>	380
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	--		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	4540.1	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	--		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.417621	--

**Manufacturer Test Comments**                      Hot\_Soak\_HC\_(g) = 0.046095, Diurnal (gHC) = 0.371526

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.4176	0.0057	0.423	0.5	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.4176	0.0057	0.423	0.5	Pass

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1
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<b>Test #</b>	<b>JCRX10049386</b>	<b>Test Procedure</b>	<b>37 - California Fuel Running Loss</b>
<b>Exhaust Test # for this Evap Test</b>	JCRX10049382	<b>Test Fuel Type</b>	46 - CARB LEV3 E10 Regular Gasoline
<b>Test Date</b>	06/07/2017	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	10463	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	CTC		
<b>E10 Evaporative Test Measurement Method</b>	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
<b>Test Start Odometer Reading</b>	4199	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	--		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.00025	--

**Manufacturer Test Comments**                      Callout: 18EV-T05.75P2-1; RL/Evap; (cE10)

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0	0	0	0.05	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0	0	0	0.05	Pass

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCR XR0225RR1
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<b>Test #</b>	<b>JCRX10049390</b>	<b>Test Procedure</b>	<b>24 - Federal fuel refueling test (ORVR)</b>
<b>Exhaust Test # for this Evap Test</b>	JCRX10049383	<b>Test Fuel Type</b>	46 - CARB LEV3 E10 Regular Gasoline
<b>Test Date</b>	07/09/2017	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	10465	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	CTC		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4404	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	--		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
HC (Hydrocarbon for Running Loss and ORVR)	0.036	--

**Manufacturer Test Comments**                      Callout: 18EV-T05.75P2-1; ORVR; (cE10)

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC	0.036	0	0.04	0.2	Pass
CA	150,000 miles	Other	HC	0.036	0	0.04	0.2	Pass

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCR XR0225RR1
<b>Test #</b>	<b>JCRX10074521</b>	<b>Test Procedure</b>	<b>65 - Evap Canister Bleed Test</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	46 - CARB LEV3 E10 Regular Gasoline
<b>Test Date</b>	02/28/2017	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	Sterling Performance		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	0	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	--		
<b>Drive Cycle Speed Tolerance Criteria</b>	--	<b>Road Speed Fan Usage</b>	--

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.008	--

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

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.008	0	0.008	0.02	Pass
CA	150,000 miles	Other	HC-TOTAL-EQUIV	0.008	0	0.008	0.02	Pass

## Certification Summary Information Report

Test Group	TCRXT06.2570	Evaporative/Refueling Family	TCRXR0225RR1
<b>Fuel Properties</b>			
<b>Fuel Batch ID</b>	<b>24670</b>	<b>Fuel Calibration Number</b>	<b>380</b>
<b>Test Fuel Type</b>	46 - CARB LEV3 E10 Regular Gasoline	<b>Fuel Batch Calibration Date</b>	12/04/2015
<b>Fuel Batch Calibration Effective Date</b>	12/04/2015	<b>Fuel Batch Calibration Ineffective Date</b>	12/04/2030
<b>Carbon Weight Fraction NMHC</b>	--	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	--	<b>Fuel Methanol Volume Fraction</b>	--
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.749
<b>Fuel Ethanol Volume Percent (%)</b>	9.8	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	17963
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	--	<b>Fuel Carbon Mass Fraction (E10)</b>	--
<b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b>	0.826	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>11460</b>	<b>Fuel Calibration Number</b>	<b>1</b>
<b>Test Fuel Type</b>	47 - CARB LEV3 E10 Premium Gasoline	<b>Fuel Batch Calibration Date</b>	11/18/2025
<b>Fuel Batch Calibration Effective Date</b>	11/18/2025	<b>Fuel Batch Calibration Ineffective Date</b>	--
<b>Carbon Weight Fraction NMHC</b>	0.827	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	--	<b>Fuel Methanol Volume Fraction</b>	--
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.745
<b>Fuel Ethanol Volume Percent (%)</b>	9.4	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	--
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	41.591	<b>Fuel Carbon Mass Fraction (E10)</b>	0.827
<b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b>	--	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>11427</b>	<b>Fuel Calibration Number</b>	<b>1</b>
<b>Test Fuel Type</b>	29 - Cold CO E10 Premium Gasoline (Tier 3)	<b>Fuel Batch Calibration Date</b>	07/09/2025
<b>Fuel Batch Calibration Effective Date</b>	07/09/2025	<b>Fuel Batch Calibration Ineffective Date</b>	--
<b>Carbon Weight Fraction NMHC</b>	0.827	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	--	<b>Fuel Methanol Volume Fraction</b>	0
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.743
<b>Fuel Ethanol Volume Percent (%)</b>	10	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	--
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	41.352	<b>Fuel Carbon Mass Fraction (E10)</b>	0.827
<b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b>	--	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>10463</b>	<b>Fuel Calibration Number</b>	<b>1</b>
<b>Test Fuel Type</b>	46 - CARB LEV3 E10 Regular Gasoline	<b>Fuel Batch Calibration Date</b>	05/30/2017
<b>Fuel Batch Calibration Effective Date</b>	05/30/2017	<b>Fuel Batch Calibration Ineffective Date</b>	--
<b>Carbon Weight Fraction NMHC</b>	0.813	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	--	<b>Fuel Methanol Volume Fraction</b>	--

## Certification Summary Information Report

Test Group	TCRXT06.2570	Evaporative/Refueling Family	TCRXR0225RR1
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.749
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17820
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.813	Weight Fraction CO2	--
Fuel Batch ID	<b>10465</b>	Fuel Calibration Number	<b>1</b>
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	06/13/2017
Fuel Batch Calibration Effective Date	06/13/2017	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	0.824	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.749
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17987
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.824	Weight Fraction CO2	--

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCR XR0225RR1
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#### Consolidated List of Standards

**Exhaust Standards**

<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>	Federal Tier 3 Bin 70
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	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	0.66	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0275	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.006

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>	Other
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	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	0.66	1.7
150,000 miles	CO-COMP	--	--	--	--	--	1	0.66	4.2
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004
150,000 miles	METHANE	--	--	--	--	--	1	0.0155	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0002	0.010
150,000 miles	NMOG	--	--	--	--	--	1	0.0275	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0.0275	0.060
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.001

### Certification Summary Information Report

<b>Test Group</b>		TCRXT06.2570			<b>Evaporative/Refueling Family</b>			TCRXR0225RR1		
<b>Cert Region</b>		California + CAA Section 177 states			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			<b>Standard Level</b>			Other		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			SC03		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CO	--	--	--	--	--	1	0.66	999.9	
150,000 miles	NMOG	--	--	--	--	--	1	0.0275	999.999	
150,000 miles	NOX	--	--	--	--	--	1	0	999.999	

<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			<b>Standard Level</b>			Federal Tier 3 Bin 70		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			California fuel 2-day exhaust (w/can load)		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CO	--	--	--	--	--	1	0.66	1.7	
150,000 miles	CO-COMP	--	--	--	--	--	1	0.66	4.2	
150,000 miles	CREE	--	--	--	--	--	1	0	999	
150,000 miles	HCHO	--	--	--	--	--	1	0	0.004	
150,000 miles	METHANE	--	--	--	--	--	1	0.0155	0.030	
150,000 miles	N2O	--	--	--	--	--	1	0.0002	0.010	
150,000 miles	NMOG	--	--	--	--	--	1	0.0275	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.070	
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	0.0275	0.060	
150,000 miles	NOX	--	--	--	--	--	1	0	999.999	
150,000 miles	PM	--	--	--	--	--	1	0	0.003	

### Certification Summary Information Report

<b>Test Group</b>		TCRXT06.2570			<b>Evaporative/Refueling Family</b>			TCRXR0225RR1		
<b>Cert Region</b>		California + CAA Section 177 states			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			<b>Standard Level</b>			Other		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			HWFE		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	NMOG	--	--	--	--	--	1	0.0275	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.070	
150,000 miles	NOX	--	--	--	--	--	1	0	999.999	

<b>Cert Region</b>		California + CAA Section 177 states			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			<b>Standard Level</b>			Other		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			Cold CO		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
50,000 miles	CO	--	--	--	--	--	1	0.09	12.5	

<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			<b>Standard Level</b>			Federal Tier 3 Bin 70		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			HWFE		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CREE	--	--	--	--	--	1	0	999	
150,000 miles	NMOG	--	--	--	--	--	1	0.0275	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	0	0.070	
150,000 miles	NOX	--	--	--	--	--	1	0	999.999	

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1
<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>	Federal Tier 3 Bin 70
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	Federal fuel 2-day exhaust (w/can load)

  

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CREE	--	--	--	--	--	1	0	999
150,000 miles	METHANE	--	--	--	--	--	1	0.0155	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0002	0.010

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>	Other
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	Federal fuel 2-day exhaust (w/can load)

  

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	METHANE	--	--	--	--	--	1	0.0155	0.030
150,000 miles	N2O	--	--	--	--	--	1	0.0002	0.010

<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>	Federal Tier 3 Bin 70
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	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	0.66	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0275	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1
<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>	Other
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	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	0.66	999.9
150,000 miles	NMOG	--	--	--	--	--	1	0.0275	999.999
150,000 miles	NOX	--	--	--	--	--	1	0	999.999
150,000 miles	PM	--	--	--	--	--	1	0	0.006

<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>	Federal Tier 3 Bin 70
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	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	0.09	12.5
150,000 miles	HC-NM	--	--	--	--	--	1	0.02	0.5

**Evaporative/Refueling Standards**

<b>Evaporative/Refueling Family</b>	TCRXR0225RR1	<b>Cert Region</b>	Federal
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	Federal Tier 3 Evap
<b>Test Procedure</b>	California Fuel Running Loss		

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0

<b>Evaporative/Refueling Family</b>	TCRXR0225RR1	<b>Cert Region</b>	California + CAA Section 177 states
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	Other
<b>Test Procedure</b>	Evap Canister Bleed Test		

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0

## Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570		<b>Evaporative/Refueling Family</b>	TCRXR0225RR1	
<b>Evaporative/Refueling Family</b>	TCRXR0225RR1		<b>Cert Region</b>	California + CAA Section 177 states	
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Other	
<b>Test Procedure</b>	California fuel 2-day evap				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0057
<b>Evaporative/Refueling Family</b>	TCRXR0225RR1		<b>Cert Region</b>	California + CAA Section 177 states	
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Other	
<b>Test Procedure</b>	California Fuel Running Loss				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0
<b>Evaporative/Refueling Family</b>	TCRXR0225RR1		<b>Cert Region</b>	California + CAA Section 177 states	
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Other	
<b>Test Procedure</b>	CA fuel 3-day evap.				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.009
<b>Evaporative/Refueling Family</b>	TCRXR0225RR1		<b>Cert Region</b>	Federal	
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Federal Tier 3 Evap	
<b>Test Procedure</b>	CA fuel 3-day evap.				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.009
<b>Evaporative/Refueling Family</b>	TCRXR0225RR1		<b>Cert Region</b>	California + CAA Section 177 states	
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Other	
<b>Test Procedure</b>	Federal fuel refueling test (ORVR)				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC	--	0.20	0
<b>Evaporative/Refueling Family</b>	TCRXR0225RR1		<b>Cert Region</b>	Federal	
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Federal Tier 3 Evap	
<b>Test Procedure</b>	Federal fuel refueling test (ORVR)				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC	--	0.20	0

### Certification Summary Information Report

<b>Test Group</b>	TCRXT06.2570	<b>Evaporative/Refueling Family</b>	TCRXR0225RR1		
<b>Evaporative/Refueling Family</b>	TCRXR0225RR1	<b>Cert Region</b>	Federal		
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	Federal Tier 3 Evap		
<b>Test Procedure</b>	California fuel 2-day evap				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0057
<b>Evaporative/Refueling Family</b>	TCRXR0225RR1	<b>Cert Region</b>	Federal		
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	Federal Tier 3 Evap		
<b>Test Procedure</b>	Evap Canister Bleed Test				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0

## Certification Summary Information Report

Test Group	TCRXT06.2570	Evaporative/Refueling Family	TCR XR0225RR1
<b>Glossary</b>			
<b>Useful Life</b>			
4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		
<b>Emission Name</b>			
HC-TOTAL	Total Hydrocarbon	AS-VOLT	Average System Voltage
CO	Carbon Monoxide	CO2 BAG 1	Bag 1 Carbon Dioxide
CO2	Carbon dioxide	CO2 BAG 2	Bag 2 Carbon Dioxide
CREE	Carbon-Related Exhaust Emissions	CO2 BAG 3	Bag 3 Carbon Dioxide
OPT-CREE	Optional Carbon-Related Exhaust Emissions	CO2 BAG 4	Bag 4 Carbon Dioxide
NOX	Nitrogen Oxide	NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides
PM	Particulate Matter	NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides
PM-COMP	SFTP Composite Particulate Matter	DT-IWRR	Drive Trace Inertia Work Ratio Rating
HC-NM	Non-methane Hydrocarbon	DT-ASCR	Drive Trace Absolute Speed Change Rating
OMHCE	Organic material Hydrocarbon Equivalent	DT-EER	Drive Trace Energy Economy Rating
OMNMHCE	Organic material non-methane HC equivalent	COMB-CREE	Combined Carbon-Related Exhaust Emissions
NMOG	Non-methane organic gases	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
HCHO	Formaldehyde	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
H3C2HO	Acetaldehyde	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	LEAK-DIA	Effective Leak Diameter (inches)
CO-COMP	SFTP Composite Carbon Monoxide	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
ETHANOL	C2H5OH - Ethanol	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
FE BAG 1	Bag 1 Fuel Economy	KW-HRS	Integrated DC KW-HRS
FE BAG 2	Bag 2 Fuel Economy	CH4 BAG 1	Bag 1 Methane
FE BAG 3	Bag 3 Fuel Economy	CH4 BAG 2	Bag 2 Methane
FE BAG 4	Bag 4 Fuel Economy	CH4 BAG 3	Bag 3 Methane
MFR FE	Manufacturer Fuel Economy	CH4 BAG 4	Bag 4 Methane
HC	Hydrocarbon for Running Loss and ORVR	CO BAG 1	Bag 1 Carbon Monoxide
METHANE	CH4 - Methane	CO BAG 2	Bag 2 Carbon Monoxide
METHANOL	CH3OH - Methanol	CO BAG 3	Bag 3 Carbon Monoxide
N2O	Nitrous Oxide	CO BAG 4	Bag 4 Carbon Monoxide
SPITBACK	Spitback Hydrocarbon in grams	NMOG BAG 1	Bag 1 Non-methane organic gases
AMP-HRS	Integrated Amp-hours	NMOG BAG 2	Bag 2 Non-methane organic gases
START-SOC	System Start State of Charge Watt-hours	NMOG BAG 3	Bag 3 Non-methane organic gases
END-SOC	System End State of Charge Watt-hours	NMOG BAG 4	Bag 4 Non-methane organic gases
ACT-DISTANCE	Actual Distance Driven (miles)		
<b>Certification Region</b>			

## Certification Summary Information Report

Test Group	TCRXT06.2570	Evaporative/Refueling Family		TCRXR0225RR1
CA	California + CAA Section 177 states	FA	Federal	
<b>Exhaust Emission Standard Level</b>				
B1	Federal Tier 2 Bin 1	T3B160	Federal Tier 3 Bin 160	
B2	Federal Tier 2 Bin 2	T3B125	Federal Tier 3 Bin 125	
B3	Federal Tier 2 Bin 3	T3B110	Federal Tier 3 Transitional Bin 110	
B4	Federal Tier 2 Bin 4	T3B85	Federal Tier 3 Transitional Bin 85	
B5	Federal Tier 2 Bin 5	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover	
B6	Federal Tier 2 Bin 6	T3B70	Federal Tier 3 Bin 70	
B7	Federal Tier 2 Bin 7	T3B50	Federal Tier 3 Bin 50	
B8	Federal Tier 2 Bin 8	T3B30	Federal Tier 3 Bin 30	
B9	Federal Tier 2 Bin 9	T3B20	Federal Tier 3 Bin 20	
B10	Federal Tier 2 Bin 10	T3B0	Federal Tier 3 Bin 0	
B11	Federal Tier 2 Bin 11	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
L2	California LEV-II LEV	HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
L2OP	California LEV-II LEV Optional	HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
U2	California LEV-II ULEV	HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
S2	California LEV-II SULEV	HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
ZEV	California ZEV	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
OT	Other	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
T1	Federal Tier 1	HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
PZEV	California PZEV	HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
L2LEV160	California LEV-II LEV160	HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
L2ULEV125	California LEV-II ULEV125	HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
L2SULEV30	California LEV-II SULEV30	HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2LEV395	California LEV-II LEV395	L4SULEV100	California LEV-IV SULEV100	
L2ULEV340	California LEV-II ULEV340	L4SULEV125	California LEV-IV SULEV125	
L2LEV630	California LEV-II LEV630	L4SULEV15	California LEV-IV SULEV15	
L2ULEV570	California LEV-II ULEV570	L4SULEV150	California LEV-IV SULEV150	
L3LEV160	California LEV-III LEV160	L4SULEV170	California LEV-IV SULEV170	
L3ULEV125	California LEV-III ULEV125	L4SULEV175	California LEV-IV SULEV175	
L3ULEV70	California LEV-III ULEV70	L4SULEV20	California LEV-IV SULEV20	
L3ULEV50	California LEV-III ULEV50	L4SULEV200	California LEV-IV SULEV200	
L3SULEV30	California LEV-III SULEV30	L4SULEV230	California LEV-IV SULEV230	
L3SULEV20	California LEV-III SULEV20	L4SULEV25	California LEV-IV SULEV25	
L3LEV395	California LEV-III LEV395	L4SULEV30	California LEV-IV SULEV30	
L3ULEV340	California LEV-III ULEV340	L4SULEV75	California LEV-IV SULEV75	
L3ULEV250	California LEV-III ULEV250	L4SULEV85	California LEV-IV SULEV85	
L3ULEV200	California LEV-III ULEV200	L4ULEV125	California LEV-IV ULEV125	

## Certification Summary Information Report

Test Group		TCRXT06.2570	Evaporative/Refueling Family		TCRXR0225RR1
L3SULEV170	California LEV-III SULEV170		L4ULEV200	California LEV-IV ULEV200	
L3SULEV150	California LEV-III SULEV150		L4ULEV250	California LEV-IV ULEV250	
L3LEV630	California LEV-III LEV630		L4ULEV270	California LEV-IV ULEV270	
L3ULEV570	California LEV-III ULEV570		L4ULEV40	California LEV-IV ULEV40	
L3ULEV400	California LEV-III ULEV400		L4ULEV400	California LEV-IV ULEV400	
L3ULEV270	California LEV-III ULEV270		L4ULEV50	California LEV-IV ULEV50	
L3SULEV230	California LEV-III SULEV230		L4ULEV60	California LEV-IV ULEV60	
L3SULEV200	California LEV-III SULEV200		L4ULEV70	California LEV-IV ULEV70	
<b>Transmission Type Code</b>					
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)		
<b>Drive System Code</b>					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		
F	2-Wheel Drive, Front	A	All Wheel Drive		
R	2-Wheel Drive, Rear				
<b>Additional Terms and Acronyms</b>					
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		