

Certification Summary Information Report

Manufacturer	Ford Motor Company	Manufacturer Code	FMX
Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Certificate Number	TFMXT02.31EM-048	CARB Executive Order #	--
Certificate Issue Date	09/26/2025	Certificate Revision Date	--
Certificate Effective Date	09/26/2025	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	09/19/2025 12:30:58 PM
Model Year	2026		

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 & ported injection	No

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	EPA Vehicle Class	LDT3, LDT2
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	No
Durability Group Name	TFMXGPGNNE2A	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	02/20/2026	CAP2000 Conditional Certificate?	No
Independent Commercial Importer?	No	Alternative Fuel Converter Certificate?	No
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	TFMXT02.02Y5
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	2
OBD Deficiencies Comments	--		
Mfr Test Group Comments	City Litmus Value = 16.4, City Litmus Threshold Value = 16.5, Highway Litmus Value = 17.6, Highway Litmus Value = 18.9		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Evaporative/Refueling Family Information			
Evaporative Summary Information Type	Update for Correction	Submission/Correction Date	09/18/2025 02:05:24 PM
Integrated ORVR?	Yes	Fuel(s)	Gasoline
Multiple Fuel Storage	--		
Bladder Fuel Tank?	No		
Fuel Tank Material	Other	Fuel Tank Material Description	Plastic
Fill Pipe Seal Type	Liquid seal		
Air Intake System Vapor Storage Device?	Yes	Air Intake System Vapor Storage Device Description	AIS Hydrocarbon Trap
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	See comments below
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	140	Number of Primary Canisters	1
Number of Bleed Canisters	1	Bleed Canister Total Working Capacity (grams)	1
Mfr Evaporative/Refueling Family Comments	1 X 2.2L HA 3-port Rect. + 1 X 0.065L Bleed		
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
TFMXR0140NDG-001	50 State	0.02	--

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Models Covered by this Certificate			
Carline Manufacturer	Division	Carline	Certification Region Code(s)
Drive System	Trans - Type	- # of Gears	Trans - Lockup
Ford Motor Company	1 - Ford	29 - BRONCO SASQUATCH 4WD	Federal
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	27 - BRONCO BADLANDS 4WD	Federal
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	29 - BRONCO SASQUATCH 4WD	California + CAA Section 177 states
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	24 - BRONCO 4WD	California + CAA Section 177 states
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	24 - BRONCO 4WD	California + CAA Section 177 states
Part-time 4-Wheel Drive	Manual	7	No
Ford Motor Company	1 - Ford	24 - BRONCO 4WD	Federal
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	27 - BRONCO BADLANDS 4WD	Federal
Part-time 4-Wheel Drive	Manual	7	No
Ford Motor Company	1 - Ford	27 - BRONCO BADLANDS 4WD	California + CAA Section 177 states
Part-time 4-Wheel Drive	Manual	7	No
Ford Motor Company	1 - Ford	24 - BRONCO 4WD	Federal
Part-time 4-Wheel Drive	Manual	7	No
Ford Motor Company	1 - Ford	29 - BRONCO SASQUATCH 4WD	California + CAA Section 177 states
Part-time 4-Wheel Drive	Manual	7	No
Ford Motor Company	1 - Ford	29 - BRONCO SASQUATCH 4WD	Federal
Part-time 4-Wheel Drive	Manual	7	No
Ford Motor Company	1 - Ford	27 - BRONCO BADLANDS 4WD	California + CAA Section 177 states
Part-time 4-Wheel Drive	Semi-Automatic	10	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	2.3L I-4
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	SAE 5W-30 / ILSAC GF-7
Number of Cylinders/Rotors	4	Mechanically Variable Compression Ratio Indicator	N

After Treatment Device(s) (ATD)				
ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith

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

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG								
Engine Configuration Number 1											
Engine Displacement (liters)	2.3	Engine Rated Horsepower	300								
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2								
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	1								
Air Aspiration Device Configuration	Single	Charge Air Cooler Type	Air								
Air Aspiration Drive Method(s)	Mechanical										
Cylinder Deactivation	No										
Cylinder Deactivation Description	--										
Variable Valve Timing	Yes										
Variable Valve Timing System Description	TIVCT										
Variable Valve Lift?	No										
Variable Valve Lift System Description	--										
Number of Knock Sensors	2	Number of Air/Fuel Sensors	2								
Air/Fuel Sensor # 1 Type	Heated air fuel	Air/Fuel Sensor # 1 Description	WR-HO2S								
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	HO2S								
Mfr Air/Fuel Sensor Comments	--										
Exhaust Gas Recirculation	Yes	Cooled Exhaust Gas Recirculation	Yes								
EGR Type	Electronic/Electric	Exhaust Gas Recirculation Description if 'Other'	--								
Closed Loop Air Injection System	No										
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--								
Mfr Engine Configuration Comments	--										
Official Test Numbers											
Test Group	Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Gasoline	SFMX91006130	SFMX91006131	SFMX10087914	SFMX10087913	SFMX91006132	77.4	228.2	999.9	286.1	1	
SFTP LEV-III Official Test Numbers											
Test Group Fuel	FTP	US06	SC03								
Gasoline	SFMX91006130	SFMX91006131	SFMX10087914								

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG																					
Emission Data Vehicle Information																								
Vehicle ID / Configuration	301W321 / 0	Manufacturer Vehicle Configuration Number	0																					
Original Test Group Name	NFMXT02.31EM	Original Evaporative/Refueling Family	NFMXR0140NDG																					
Original Test Vehicle Model Year	2022																							
Vehicle Model																								
Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	Bronco																					
Leak Family Details																								
Leak Family Identifier	001	Leak Family Name	NFMXR0140NDG-001																					
Drive Sources and Fuel System Details																								
<table><tr><td>Drive Source and Fuel#</td><td>Drive Source</td><td>Fuel</td></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	1.03																					
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles																							
Odometer Correction Units	Miles																							
Engine Code	MTG1N3NB00	Rated Horsepower	270																					
Displacement (liters)	2.3																							
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'																						
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single																					
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Rear																					
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)																					
Curb Weight (lbs)	5136	Equivalent Test Weight (pounds)	5500																					
GVWR (lbs)	6120	N/V Ratio	30.2																					
Axle Ratio	4.7																							
Transmission Type	Semi-Automatic	# of Transmission Gears	10																					
Transmission Lockup	Yes	Creeper Gear	No																					
Dynamometer Coefficients:																								
<table><tr><td colspan="3">Target Coefficients</td><td colspan="3">Set Coefficients</td><td rowspan="3">EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients</td></tr><tr><td>Coefficient Category</td><td>A (lbf)</td><td>B (lbf/mph)</td><td>C (lbf/mph**2)</td><td>A (lbf)</td><td>B (lbf/mph)</td><td>C (lbf/mph**2)</td></tr><tr><td>City/Highway/Evap</td><td>44.07</td><td>0.6921</td><td>0.04663</td><td>20.96</td><td>0.5259</td><td>0.04582</td></tr></table>				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	44.07	0.6921	0.04663	20.96	0.5259	0.04582
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	44.07	0.6921	0.04663	20.96	0.5259		0.04582																	
Emission Control Device Comments	22MY BETP																							

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Manufacturer Test Vehicle Comments	2.3L GTDI Bronco 4X4		
Test #	NFMX10071316	Test Procedure	65 - Evap Canister Bleed Test
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	02/15/2021	Fuel	Gasoline
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	5155	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No
Test Results			
Test Result Name		Unrounded Test Result	Verify Calculated FE Equivalent Value
HC-TOTAL (Total Hydrocarbon)		0.0151	--

Manufacturer Test Comments E10 Evaporative Test Measurement Method is Manufacturer FID w/o speciation. The pull down menu does not include this option.

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	0.0151	0	0.015	0.02	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL	0.0151	0	0.015	0.02	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG						
Emission Data Vehicle Information									
Vehicle ID / Configuration	MG11-2.3-J-203 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	MFMXT02.31EM	Original Evaporative/Refueling Family	MFMXR0140NDG						
Original Test Vehicle Model Year	2021								
Vehicle Model									
Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	Bronco						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	MFMXR0140NDG-001						
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	1.03						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	MTG1N3NB00	Rated Horsepower	270						
Displacement (liters)	2.3								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Rear						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	5136	Equivalent Test Weight (pounds)	5500						
GVWR (lbs)	6120	N/V Ratio	30.2						
Axle Ratio	4.7								
Transmission Type	Semi-Automatic	# of Transmission Gears	10						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group		TFMXT02.31EM			Evaporative/Refueling Family		TFMXR0140NDG	
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	51.84	0.6755	0.04816	25.85	0.548	0.0465	27.5	
Cold CO	51.84	0.6755	0.04816	25.85	0.548	0.0465	N/A	
US06	51.84	0.6755	0.04816	25.85	0.548	0.0465	N/A	
Emission Control Device Comments		T21-0129-01 T3B70 L3B70						
Manufacturer Test Vehicle Comments		2.3L GTDI Bronco 4X4						

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	MFMX10067778	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	09/22/2020	Fuel	N/A
Fuel Batch ID	373-B	Fuel Calibration Number	54
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	4795	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	486.46295	--
FE BAG 1 (Bag 1 Fuel Economy)	17.78016	17.78016
CO2 BAG 2 (Bag 2 Carbon Dioxide)	453.93757	--
FE BAG 2 (Bag 2 Fuel Economy)	19.11774	19.11774
CO2 BAG 3 (Bag 3 Carbon Dioxide)	452.73368	--
FE BAG 3 (Bag 3 Fuel Economy)	19.13135	19.13135
METHANE (CH4 - Methane)	0.00838	--
CO (Carbon Monoxide)	0.5004	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.917377	--
DT-EER (Drive Trace Energy Economy Rating)	0.0376276	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.0471	--
MFR FE (Manufacturer Fuel Economy)	18.84256	18.84256
NOX (Nitrogen Oxide)	0.01162	--
N2O (Nitrous Oxide)	0.0008	--
HC-NM (Non-methane Hydrocarbon)	0.0101973	--
NMOG (Non-methane organic gases)	0.0112	--
PM (Particulate Matter)	0.0011645	--
HC-TOTAL (Total Hydrocarbon)	0.01809	--

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
-------------------	--------------	-------------------------------------	--------------

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	461	999
Optional Carbon-Related Exhaust Emissions	461	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	460.34213	--

Manufacturer Test Comments NMOG = 1.04 * NMHC_r

Test #	MFMX10067811	Test Procedure	23 - 2-day evap
Exhaust Test # for this Evap Test	MFMX10067778	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	10/09/2020	Fuel	Gasoline
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4969	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 (miles per gallon)
OMHCE (Organic material Hydrocarbon Equivalent)	0.3375	--
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.3375	--

Manufacturer Test Comments --

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	0.3375	0	0.338	0.5	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.3375	0	0.338	0.5	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	MFMX10068292	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	MFMX10067778	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	11/16/2020	Fuel	Gasoline
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	5126	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 (miles per gallon)
OMHCE (Organic material Hydrocarbon Equivalent)	0.3726	--
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.3726	--

Manufacturer Test Comments --

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	0.3726	0	0.373	0.5	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.3726	0	0.373	0.5	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG																																
Test #	MFMX10067812	Test Procedure	24 - Federal fuel refueling test (ORVR)																																
Exhaust Test # for this Evap Test	MFMX10067778	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																
Test Date	12/02/2020	Fuel	Gasoline																																
Fuel Batch ID	--	Fuel Calibration Number	--																																
Vehicle Class	N/A	DF Type	Mfr. Determined																																
Verify Test Lab ID	APTL																																		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)																																		
Test Start Odometer Reading	5050	Odometer Units	M																																
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																
State of Charge Delta	--																																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																																
Test Results																																			
<table><tr><td>Test Result Name</td><td>Unrounded Test Result</td><td>Verify Calculated FE Equivalent Value (miles per gallon)</td></tr><tr><td>OMHCE (Organic material Hydrocarbon Equivalent)</td><td>0.098</td><td>--</td></tr><tr><td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td><td>0.098</td><td>--</td></tr></table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	OMHCE (Organic material Hydrocarbon Equivalent)	0.098	--	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.098	--																							
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																	
OMHCE (Organic material Hydrocarbon Equivalent)	0.098	--																																	
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.098	--																																	
Manufacturer Test Comments ORVR TEST																																			
<table><tr><td>Certification Region</td><td>Useful Life</td><td>Standard Level</td><td>Emission Name</td><td>Rounded Result</td><td>Add DF</td><td>Certification Level</td><td>Standard</td><td>Pass/Fail</td></tr><tr><td>Fed</td><td>150,000 miles</td><td>Federal Tier 3 Evap</td><td>HC-TOTAL-EQUIV</td><td>0.098</td><td>0.002</td><td>0.1</td><td>0.2</td><td>Pass</td></tr><tr><td>CA</td><td>150,000 miles</td><td>California LEV-III Zero Evap (Option 2)</td><td>OMHCE</td><td>0.098</td><td>0.002</td><td>0.1</td><td>0.2</td><td>Pass</td></tr></table>									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	0.098	0.002	0.1	0.2	Pass	CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.098	0.002	0.1	0.2	Pass
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	0.098	0.002	0.1	0.2	Pass																											
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.098	0.002	0.1	0.2	Pass																											

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	MFMX10067818	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	MFMX10067778	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	11/13/2020	Fuel	Gasoline
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	5126	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
OMHCE (Organic material Hydrocarbon Equivalent)	0	--
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0	--

Manufacturer Test Comments --

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	California LEV-III Zero Evap (Option 2)	OMHCE	0	0	0	0.05	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG						
Emission Data Vehicle Information									
Vehicle ID / Configuration	SG11-2.3-J-058 / 1	Manufacturer Vehicle Configuration Number	1						
Original Test Group Name	SFMXT02.31EM	Original Evaporative/Refueling Family	SFMXR0140NDG						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	Bronco						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	SFMXR0140NDG-001						
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	1.03						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	STG1N3NA01	Rated Horsepower	275						
Displacement (liters)	2.3								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Rear						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	150,000 (mi)						
Curb Weight (lbs)	5093	Equivalent Test Weight (pounds)	5500						
GVWR (lbs)	6100	N/V Ratio	30.2						
Axle Ratio	4.7								
Transmission Type	Automatic	# of Transmission Gears	10						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group		TFMXT02.31EM			Evaporative/Refueling Family		TFMXR0140NDG	
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	47.41	0.7616	0.03797	25.72	0.7048	0.03507	24.1	
Cold CO	47.41	0.7616	0.03797	25.72	0.7048	0.03507	N/A	
US06	47.41	0.7616	0.03797	25.72	0.7048	0.03507	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		--						

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	SFMX10087913	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	09/30/2024	Fuel	Gasoline
Fuel Batch ID	375-B	Fuel Calibration Number	58
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4113	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 (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	599.335243	--
FE BAG 1 (Bag 1 Fuel Economy)	14.289099	14.289099
CO2 BAG 2 (Bag 2 Carbon Dioxide)	485.257312	--
FE BAG 2 (Bag 2 Fuel Economy)	17.847869	17.847869
CO2 BAG 3 (Bag 3 Carbon Dioxide)	461.069587	--
FE BAG 3 (Bag 3 Fuel Economy)	18.766769	18.766769
METHANE (CH4 - Methane)	0.013147	--
CO (Carbon Monoxide)	0.878923	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.00704	--
DT-EER (Drive Trace Energy Economy Rating)	0.111702	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.33904	--
MFR FE (Manufacturer Fuel Economy)	17.2	17.2
NOX (Nitrogen Oxide)	0.024968	--
HC-NM (Non-methane Hydrocarbon)	0.042388	--
NMOG (Non-methane organic gases)	0.046521	--
HC-TOTAL (Total Hydrocarbon)	0.055669	--

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

Certification Summary Information Report

Test Group		TFMXT02.31EM				Evaporative/Refueling Family				TFMXR0140NDG			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2						
		Carbon dioxide		502.3			--						
Manufacturer Test Comments		--											
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	0.88	--	--	--	--	--	0.9	12.5	Pass	
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.04	--	--	--	--	--	0	0.3	Pass	
CA	50,000 miles	California LEV-III SULEV30	CO	0.88	--	--	--	--	--	0.9	12.5	Pass	

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	SFMX10088123	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	10/11/2024	Fuel	Gasoline
Fuel Batch ID	CERT_5	Fuel Calibration Number	174
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4233	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 (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	447.92099	--
FE BAG 1 (Bag 1 Fuel Economy)	19.728891	19.728891
CO2 BAG 2 (Bag 2 Carbon Dioxide)	407.441986	--
FE BAG 2 (Bag 2 Fuel Economy)	21.860967	21.860967
CO2 BAG 3 (Bag 3 Carbon Dioxide)	407.355988	--
FE BAG 3 (Bag 3 Fuel Economy)	21.835515	21.835515
METHANE (CH4 - Methane)	0.007099	--
CO (Carbon Monoxide)	0.633133	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.026536	--
DT-EER (Drive Trace Energy Economy Rating)	-0.102273	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.057974	--
HCHO (Formaldehyde)	0.000187	--
MFR FE (Manufacturer Fuel Economy)	21.3	21.3
NOX (Nitrogen Oxide)	0.008751	--
N2O (Nitrous Oxide)	0.0026	--
HC-NM (Non-methane Hydrocarbon)	0.009347	--
NMOG (Non-methane organic gases)	0.009721	--
PM (Particulate Matter)	0.000269	--
HC-TOTAL (Total Hydrocarbon)	0.015963	--

Certification Summary Information Report

Test Group		TFMXT02.31EM			Evaporative/Refueling Family					TFMXR0140NDG		
		Test Result Name		Unrounded Test Result			Verify Calculated CREE/OPT-CREE					
		Carbon-Related Exhaust Emissions		417			417					
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		415.8			--					
Manufacturer Test Comments		--										
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	0.63	--	--	--	--	--	0.6	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	417	--	--	--	0	--	417	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	HCHO	0.0002	--	--	--	--	--	0	0.004	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	METHANE	0.0071	--	--	--	--	--	0.007	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	N2O	0.0026	--	--	--	--	--	0.003	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0097	--	1.1	--	--	--	0.01	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0185	--	--	--	--	--	0.018	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0088	--	--	--	--	--	0.009	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0003	--	--	--	--	--	0	0.003	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.63	--	--	--	--	--	0.6	1.0	Pass
CA	150,000 miles	California LEV-III SULEV30	HCHO	0.0002	--	--	--	--	--	0	0.004	Pass
CA	150,000 miles	California LEV-III SULEV30	METHANE	0.0071	--	--	--	--	--	0.007	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	N2O	0.0026	--	--	--	--	--	0.003	0.010	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0097	--	1.1	--	--	--	0.01	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0185	--	--	--	--	--	0.018	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0088	--	--	--	--	--	0.009	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0003	--	--	--	--	--	0	0.003	Pass
NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.												

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	SFMX10088129	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	26 - Cold CO Regular (Tier 2)
Test Date	10/17/2024	Fuel	Gasoline
Fuel Batch ID	307B	Fuel Calibration Number	18
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4300	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 (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	603.260986	--
FE BAG 1 (Bag 1 Fuel Economy)	14.351054	14.351054
CO2 BAG 2 (Bag 2 Carbon Dioxide)	483.401001	--
FE BAG 2 (Bag 2 Fuel Economy)	18.185374	18.185374
CO2 BAG 3 (Bag 3 Carbon Dioxide)	455.509003	--
FE BAG 3 (Bag 3 Fuel Economy)	19.223612	19.223612
METHANE (CH4 - Methane)	0.019345	--
CO (Carbon Monoxide)	1.28655	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.122888	--
DT-EER (Drive Trace Energy Economy Rating)	-0.068911	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.363453	--
MFR FE (Manufacturer Fuel Economy)	17.5	17.5
NOX (Nitrogen Oxide)	0.057832	--
HC-NM (Non-methane Hydrocarbon)	0.047333	--
NMOG (Non-methane organic gases)	0.049227	--
HC-TOTAL (Total Hydrocarbon)	0.066867	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	503	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	500.6	--

Test Group		TFMXT02.31EM			Evaporative/Refueling Family				TFMXR0140NDG			
Manufacturer Test Comments		--										
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	1.29	--	--	--	--	--	1.3	12.5	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.05	--	--	--	--	--	0	0.3	Pass
CA	50,000 miles	California LEV-III SULEV30	CO	1.29	--	--	--	--	--	1.3	12.5	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	SFMX91006130	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	11/15/2024	Fuel	Gasoline
Fuel Batch ID	28637	Fuel Calibration Number	1
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4421	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 (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	460.2780762	--
FE BAG 1 (Bag 1 Fuel Economy)	999	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	406.6144714	--
FE BAG 2 (Bag 2 Fuel Economy)	999	--
CO2 BAG 3 (Bag 3 Carbon Dioxide)	416.8672791	--
FE BAG 3 (Bag 3 Fuel Economy)	999	--
METHANE (CH4 - Methane)	0.0078845	--
CO (Carbon Monoxide)	0.4275939	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.1602417	--
DT-EER (Drive Trace Energy Economy Rating)	0.4766063	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.5958456	--
MFR FE (Manufacturer Fuel Economy)	999	--
NOX (Nitrogen Oxide)	0.0078843	--
N2O (Nitrous Oxide)	0.0018803	--
HC-NM (Non-methane Hydrocarbon)	0.0167989	--
NMOG (Non-methane organic gases)	0.0184512	--
PM (Particulate Matter)	0.0003845	--
HC-TOTAL (Total Hydrocarbon)	0.0245049	--

Page 23 of 45 CSI Submission/Revision Date: 09/19/2025 12:30:58 PM

Certification Summary Information Report

Test Group		TFMXT02.31EM			Evaporative/Refueling Family					TFMXR0140NDG		
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	0.43	--	--	--	--	--	0.4	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.47	--	--	--	--	--	0.5	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	999	--	--	--	0	--	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	METHANE	0.0079	--	--	--	--	--	0.008	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	N2O	0.0019	--	--	--	--	--	0.002	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0185	--	1.1	--	--	--	0.018	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0264	--	--	--	--	--	0.026	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0206	--	--	--	--	--	0.021	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0079	--	--	--	--	--	0.008	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0004	--	--	--	--	--	0	0.003	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.43	--	--	--	--	--	0.4	1.0	Pass
CA	150,000 miles	California LEV-III SULEV30	CO-COMP	0.47	--	--	--	--	--	0.5	4.2	Pass
CA	150,000 miles	California LEV-III SULEV30	METHANE	0.0079	--	--	--	--	--	0.008	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	N2O	0.0019	--	--	--	--	--	0.002	0.010	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0185	--	1.1	--	--	--	0.018	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0264	--	--	--	--	--	0.026	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX-COMP	0.0206	--	--	--	--	--	0.021	0.050	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0079	--	--	--	--	--	0.008	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0004	--	--	--	--	--	0	0.003	Pass

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

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	SFMX10088126	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	10/11/2024	Fuel	Gasoline
Fuel Batch ID	CERT_5	Fuel Calibration Number	174
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4233	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 (miles per gallon)
METHANE (CH4 - Methane)	0.00594	--
CO (Carbon Monoxide)	0.297725	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.733271	--
DT-EER (Drive Trace Energy Economy Rating)	-0.156794	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.623315	--
MFR FE (Manufacturer Fuel Economy)	27.5	27.5
NOX (Nitrogen Oxide)	0.016887	--
HC-NM (Non-methane Hydrocarbon)	0.0067	--
NMOG (Non-methane organic gases)	0.006918	--
HC-TOTAL (Total Hydrocarbon)	0.012187	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	324	324

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	322.8	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		TFMXT02.31EM			Evaporative/Refueling Family					TFMXR0140NDG		
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	324	--	--	--	0	--	324	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0069	--	1.03	--	--	--	0.007	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0238	--	--	--	--	--	0.024	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0169	--	--	--	--	--	0.017	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0069	--	1.03	--	--	--	0.007	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0238	--	--	--	--	--	0.024	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0169	--	--	--	--	--	0.017	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	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG																																				
Test #	SFMX91006132	Test Procedure	3 - HWFE																																				
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																				
Test Date	11/15/2024	Fuel	Gasoline																																				
Fuel Batch ID	28637	Fuel Calibration Number	1																																				
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined																																				
Verify Test Lab ID	--																																						
E10 Evaporative Test Measurement Method	--																																						
Test Start Odometer Reading	4432	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																																							
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.0050398</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.1856103</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>3.3963332</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>-0.2129697</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>4.501276</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>26.0147095</td> <td>--</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.0089744</td> <td>--</td> </tr> <tr> <td>N2O (Nitrous Oxide)</td> <td>0.0050564</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.0037401</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.0038523</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.0086657</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.0050398	--	CO (Carbon Monoxide)	0.1856103	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.3963332	--	DT-EER (Drive Trace Energy Economy Rating)	-0.2129697	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.501276	--	MFR FE (Manufacturer Fuel Economy)	26.0147095	--	NOX (Nitrogen Oxide)	0.0089744	--	N2O (Nitrous Oxide)	0.0050564	--	HC-NM (Non-methane Hydrocarbon)	0.0037401	--	NMOG (Non-methane organic gases)	0.0038523	--	HC-TOTAL (Total Hydrocarbon)	0.0086657	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																					
METHANE (CH4 - Methane)	0.0050398	--																																					
CO (Carbon Monoxide)	0.1856103	--																																					
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.3963332	--																																					
DT-EER (Drive Trace Energy Economy Rating)	-0.2129697	--																																					
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.501276	--																																					
MFR FE (Manufacturer Fuel Economy)	26.0147095	--																																					
NOX (Nitrogen Oxide)	0.0089744	--																																					
N2O (Nitrous Oxide)	0.0050564	--																																					
HC-NM (Non-methane Hydrocarbon)	0.0037401	--																																					
NMOG (Non-methane organic gases)	0.0038523	--																																					
HC-TOTAL (Total Hydrocarbon)	0.0086657	--																																					
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated CREE/OPT-CREE</th> </tr> </thead> <tbody> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>9999.9999999</td> <td>999</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	9999.9999999	999																														
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE																																					
Carbon-Related Exhaust Emissions	9999.9999999	999																																					
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated CO2</th> </tr> </thead> <tbody> <tr> <td>Carbon dioxide</td> <td>333.0154114</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	333.0154114	--																														
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																					
Carbon dioxide	333.0154114	--																																					
Manufacturer Test Comments	None																																						

Certification Summary Information Report

Test Group		TFMXT02.31EM				Evaporative/Refueling Family				TFMXR0140NDG		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	999	--	--	--	0	--	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0039	--	1.03	--	--	--	0.004	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0129	--	--	--	--	--	0.013	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.009	--	--	--	--	--	0.009	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0039	--	1.03	--	--	--	0.004	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0129	--	--	--	--	--	0.013	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.009	--	--	--	--	--	0.009	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	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	SFMX10088127	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	10/11/2024	Fuel	Gasoline
Fuel Batch ID	CERT_5	Fuel Calibration Number	174
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4265	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 (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	771.221985	--	
FE BAG 1 (Bag 1 Fuel Economy)	11.479629	11.479629	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	478.088013	--	
FE BAG 2 (Bag 2 Fuel Economy)	18.546462	18.546462	
METHANE (CH4 - Methane)	0.008648	--	
CO (Carbon Monoxide)	1.63844	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.315288	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.28774	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.745923	--	
MFR FE (Manufacturer Fuel Economy)	16.3	16.3	
NOX (Nitrogen Oxide)	0.055934	--	
HC-NM (Non-methane Hydrocarbon)	0.013086	--	
NMOG (Non-methane organic gases)	0.013609	--	
PM (Particulate Matter)	0.000005	--	
HC-TOTAL (Total Hydrocarbon)	0.021145	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	546	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	543.3	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		TFMXT02.31EM			Evaporative/Refueling Family					TFMXR0140NDG		
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	PM	0	--	--	--	--	--	0	0.006	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0	--	--	--	--	--	0	0.006	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	SFMX91006131	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	11/15/2024	Fuel	Gasoline
Fuel Batch ID	28637	Fuel Calibration Number	1
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4456	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 (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	776.6055298	--	
FE BAG 1 (Bag 1 Fuel Economy)	999	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	487.571167	--	
FE BAG 2 (Bag 2 Fuel Economy)	999	--	
METHANE (CH4 - Methane)	0.0066807	--	
CO (Carbon Monoxide)	0.8349367	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.0105974	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.9194983	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.3037899	--	
MFR FE (Manufacturer Fuel Economy)	999	--	
NOX (Nitrogen Oxide)	0.0244552	--	
N2O (Nitrous Oxide)	0.0026904	--	
HC-NM (Non-methane Hydrocarbon)	0.0092041	--	
NMOG (Non-methane organic gases)	0.0094803	--	
PM (Particulate Matter)	0.0006037	--	
HC-TOTAL (Total Hydrocarbon)	0.0157335	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	551.5866699	--	
Manufacturer Test Comments	None Unrounded Result for the following test results were modified by Verify: MFR FE, FE BAG 1, FE BAG 2		

Certification Summary Information Report

Test Group		TFMXT02.31EM				Evaporative/Refueling Family				TFMXR0140NDG		
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	PM	0.0006	--	--	--	--	--	0.001	0.006	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0006	--	--	--	--	--	0.001	0.006	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Test #	SFMX10087914	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	09/27/2024	Fuel	N/A
Fuel Batch ID	373-B	Fuel Calibration Number	95
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4099	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 (miles per gallon)
METHANE (CH4 - Methane)	0.005745	--
CO (Carbon Monoxide)	0.231779	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.488424	--
DT-EER (Drive Trace Energy Economy Rating)	-0.338202	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.286804	--
MFR FE (Manufacturer Fuel Economy)	16.5	16.5
NOX (Nitrogen Oxide)	0.003444	--
HC-NM (Non-methane Hydrocarbon)	0.001659	--
NMOG (Non-methane organic gases)	0.001709	--
HC-TOTAL (Total Hydrocarbon)	0.007463	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	529	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	529.2	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG																																	
Test #	SFMX10088128	Test Procedure	95 - SC03																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline																																	
Test Date	10/14/2024	Fuel	N/A																																	
Fuel Batch ID	CERT_5	Fuel Calibration Number	174																																	
Vehicle Class	N/A	DF Type	Mfr. Determined																																	
Verify Test Lab ID	APTL																																			
E10 Evaporative Test Measurement Method	--																																			
Test Start Odometer Reading	4285	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																																				
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.009906</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.505418</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>0.045052</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>0.033391</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>-0.314602</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>16.7</td> <td>16.7</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.022377</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.005554</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.005776</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.015557</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.009906	--	CO (Carbon Monoxide)	0.505418	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.045052	--	DT-EER (Drive Trace Energy Economy Rating)	0.033391	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.314602	--	MFR FE (Manufacturer Fuel Economy)	16.7	16.7	NOX (Nitrogen Oxide)	0.022377	--	HC-NM (Non-methane Hydrocarbon)	0.005554	--	NMOG (Non-methane organic gases)	0.005776	--	HC-TOTAL (Total Hydrocarbon)	0.015557	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																		
METHANE (CH4 - Methane)	0.009906	--																																		
CO (Carbon Monoxide)	0.505418	--																																		
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.045052	--																																		
DT-EER (Drive Trace Energy Economy Rating)	0.033391	--																																		
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.314602	--																																		
MFR FE (Manufacturer Fuel Economy)	16.7	16.7																																		
NOX (Nitrogen Oxide)	0.022377	--																																		
HC-NM (Non-methane Hydrocarbon)	0.005554	--																																		
NMOG (Non-methane organic gases)	0.005776	--																																		
HC-TOTAL (Total Hydrocarbon)	0.015557	--																																		
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated CREE/OPT-CREE</th> </tr> </thead> <tbody> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>532</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	532	--																											
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE																																		
Carbon-Related Exhaust Emissions	532	--																																		
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated CO2</th> </tr> </thead> <tbody> <tr> <td>Carbon dioxide</td> <td>530.5</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	530.5	--																											
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																		
Carbon dioxide	530.5	--																																		
Manufacturer Test Comments	--																																			

Certification Summary Information Report

Test Group	TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Fuel Properties			
Fuel Batch ID	375-B	Fuel Calibration Number	58
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	09/26/2024
Fuel Batch Calibration Effective Date	09/27/2024	Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	9.5	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17921
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	373-B	Fuel Calibration Number	95
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	09/26/2024
Fuel Batch Calibration Effective Date	09/26/2024	Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.751
Fuel Ethanol Volume Percent (%)	9.5	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17876
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.83	Weight Fraction CO2	--
Fuel Batch ID	373-B	Fuel Calibration Number	54
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	08/31/2020
Fuel Batch Calibration Effective Date	08/31/2020	Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.752
Fuel Ethanol Volume Percent (%)	9.6	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	28637	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	08/26/2021
Fuel Batch Calibration Effective Date	08/26/2021	Fuel Batch Calibration Ineffective Date	--

Certification Summary Information Report

Test Group		TFMXT02.31EM	Evaporative/Refueling Family	TFMXR0140NDG
Carbon Weight Fraction NMHC	--		Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--		Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--		Fuel Specific Gravity	0.75
Fuel Ethanol Volume Percent (%)	9.6		Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17894
Fuel Net Heat of Combustion (E10) (MJ/kg)	--		Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.825		Weight Fraction CO2	--
Fuel Batch ID	CERT_5		Fuel Calibration Number	174
Test Fuel Type	61 - Tier 2 Cert Gasoline		Fuel Batch Calibration Date	09/26/2024
Fuel Batch Calibration Effective Date	09/26/2024		Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--		Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--		Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--		Fuel Specific Gravity	0.745
Fuel Ethanol Volume Percent (%)	--		Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18483
Fuel Net Heat of Combustion (E10) (MJ/kg)	--		Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.866		Weight Fraction CO2	--
Fuel Batch ID	307B		Fuel Calibration Number	18
Test Fuel Type	26 - Cold CO Regular (Tier 2)		Fuel Batch Calibration Date	03/31/2023
Fuel Batch Calibration Effective Date	03/31/2023		Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--		Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--		Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--		Fuel Specific Gravity	0.734
Fuel Ethanol Volume Percent (%)	--		Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18678
Fuel Net Heat of Combustion (E10) (MJ/kg)	--		Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.865		Weight Fraction CO2	--

Certification Summary Information Report

Test Group		TFMXT02.31EM			Evaporative/Refueling Family		TFMXR0140NDG		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code		Both		
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level		California LEV-III SULEV30		
Fuel		Gasoline			Test Procedure		Federal fuel 2-day exhaust (w/can load)		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	--	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004
150,000 miles	METHANE	--	--	--	--	--	--	--	0.030
150,000 miles	N2O	--	--	--	--	--	--	--	0.010
150,000 miles	NMOG	--	--	1.1	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	--	999.999
150,000 miles	PM	--	--	--	--	--	--	--	0.003

Certification Summary Information Report

Test Group	TFMXT02.31EM				Evaporative/Refueling Family			TFMXR0140NDG	
Cert Region	Federal				Cert/In-Use Code			Both	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level			Federal Tier 3 Bin 30	
Fuel	Gasoline				Test Procedure			Federal fuel 2-day exhaust (w/can load)	

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	--	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	CREE	--	--	--	--	--	--	0	999.999
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004
150,000 miles	METHANE	--	--	--	--	--	--	--	0.030
150,000 miles	N2O	--	--	--	--	--	--	--	0.010
150,000 miles	NMOG	--	--	1.1	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	--	999.999
150,000 miles	OPT-CREE	--	--	--	--	--	--	0	999.999
150,000 miles	PM	--	--	--	--	--	--	--	0.003

Cert Region	Federal				Cert/In-Use Code			Both	
Vehicle Class	LDT3 (ALVW 3751-5750, 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	--	--	--	--	--	--	0	999.999
150,000 miles	NMOG	--	--	1.03	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	--	999.999
150,000 miles	OPT-CREE	--	--	--	--	--	--	0	999.999

Certification Summary Information Report

Test Group	TFMXT02.31EM				Evaporative/Refueling Family			TFMXR0140NDG	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-III SULEV30	
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	--	--	1.03	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	--	999.999

Cert Region	Federal				Cert/In-Use Code			Both	
Vehicle Class	LDT3 (ALVW 3751-5750, 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	--	--	--	--	--	--	--	12.5
120,000 miles	HC-NM	--	--	--	--	--	--	--	0.3

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-III SULEV30	
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	PM	--	--	--	--	--	--	--	0.006

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-III SULEV30	
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	--	--	--	--	--	--	--	12.5

Certification Summary Information Report

Test Group	TFMXT02.31EM				Evaporative/Refueling Family			TFMXR0140NDG		
Cert Region	Federal				Cert/In-Use Code			Both		
Vehicle Class	LDT3 (ALVW 3751-5750, 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	PM	--	--	--	--	--	--	--	0.006	
Evaporative/Refueling Standards										
Evaporative/Refueling Family	TFMXR0140NDG				Cert Region			Federal		
Cert/In-Use Code	Both				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	--			0.020		0		
Evaporative/Refueling Family	TFMXR0140NDG				Cert Region			California + CAA Section 177 states California LEV-III Zero Evap (Option 2)		
Cert/In-Use Code	Both				Standard Level					
Test Procedure	Federal fuel refueling test (ORVR)									
Fuel	Useful Life	Emission Name	Rounded Result			Std		Add DF		
Gasoline	150,000 miles	OMHCE	--			0.20		0.002		
Evaporative/Refueling Family	TFMXR0140NDG				Cert Region			Federal		
Cert/In-Use Code	Both				Standard Level			Federal Tier 3 Evap		
Test Procedure	Federal Fuel Running Loss									
Fuel	Useful Life	Emission Name	Rounded Result			Std		Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--			0.05		0		
Evaporative/Refueling Family	TFMXR0140NDG				Cert Region			Federal		
Cert/In-Use Code	Both				Standard Level			Federal Tier 3 Evap		
Test Procedure	2-day evap									
Fuel	Useful Life	Emission Name	Rounded Result			Std		Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--			0.500		0		

Certification Summary Information Report

Test Group		TFMXT02.31EM		Evaporative/Refueling Family		TFMXR0140NDG	
Evaporative/Refueling Family		TFMXR0140NDG		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.500	0		
Evaporative/Refueling Family		TFMXR0140NDG		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0		
Evaporative/Refueling Family		TFMXR0140NDG		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.05	0		
Evaporative/Refueling Family		TFMXR0140NDG		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.500	0		
Evaporative/Refueling Family		TFMXR0140NDG		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL	--	0.020	0		

Certification Summary Information Report

Test Group		TFMXT02.31EM		Evaporative/Refueling Family		TFMXR0140NDG					
Evaporative/Refueling Family		TFMXR0140NDG		Cert Region		Federal					
Cert/In-Use Code		Both		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-TOTAL-EQUIV		--		0.20		0.002	

Certification Summary Information Report

Test Group		TFMXT02.31EM	Evaporative/Refueling Family		TFMXR0140NDG
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		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)				
Certification Region					

Certification Summary Information Report

Test Group		TFMXT02.31EM		Evaporative/Refueling Family		TFMXR0140NDG	
CA	California + CAA Section 177 states			FA	Federal		
Exhaust Emission Standard Level							
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		TFMXT02.31EM	Evaporative/Refueling Family		TFMXR0140NDG
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	
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		
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		