

Certification Summary Information Report

Test Group	TFMXT02.31EN	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	TFMXT02.31EN		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	161 - RANGER 4WD	California + CAA Section 177 states	Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	29 - BRONCO SASQUATCH 4WD	Federal	Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
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	California + CAA Section 177 states	Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	24 - BRONCO 4WD	Federal	Part-time 4-Wheel Drive	Manual	7	No
Ford Motor Company	1 - Ford	27 - BRONCO BADLANDS 4WD	Federal	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	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	161 - RANGER 4WD	Federal	Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
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	27 - BRONCO BADLANDS 4WD	Federal	Part-time 4-Wheel Drive	Manual	7	No
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	29 - BRONCO SASQUATCH 4WD	California + CAA Section 177 states	Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	160 - RANGER 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	160 - RANGER 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Engine Description							
Hybrid Type	--		Hybrid Description	--			
Engine Type	4-Stroke Spark Ignition		Mfr Engine Description	Four Stroke, Otto Cycle, Gasoline Fueled, Turbocharged, Sequential Fuel Injection, Direct Injection, Catalyst Code D			
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			

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Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG	
After Treatment Device(s) (ATD)				
ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
3	Other	None	Ceramic	Monolith
Mfr After Treatment Device (ATD) Comments	TWC, TWC+GPF			
Direct Ozone Reduction (DOR) Device	Not Equipped			
Mfr Emission Control Device Comments	--			
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	Bronco			

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Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Engine Configuration Number 2			
Engine Displacement (liters)	2.3	Engine Rated Horsepower	270
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	Ranger		

Official Test Numbers

Test Group	Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City	EPA City	EPA Highway	EPA Highway	CREE Weighting Factor
							Litmus Value	Litmus Threshold	Litmus Value	Litmus Threshold	
Gasoline	TFMX91006684	TFMX91006682	TFMX91006685	TFMX10092656	TFMX91006683	44.8	15.7	78.8	19.7	1	

SFTP LEV-III Official Test Numbers

Test Group Fuel	FTP	US06	SC03
Gasoline	TFMX91006684	TFMX91006682	TFMX91006685

Certification Summary Information Report

Test Group	TFMXT02.31EN	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 border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Drive Source and Fuel#</th> <th style="width: 33%;">Drive Source</th> <th style="width: 33%;">Fuel</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Combustion Engine</td> <td style="text-align: center;">Gasoline</td> </tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.03						
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:									
Target Coefficients			Set Coefficients						
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)						
City/Highway/Evap	44.07	0.6921	0.04663						
	20.96	0.5259	0.04582						
			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
			26						
Emission Control Device Comments									
22MY BETP									

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Test Group	TFMXT02.31EN	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	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
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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
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Drive Sources and Fuel System Details

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

Hybrid Indicator	No	Multiple Fuel Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Fuel Cell Indicator	--	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	--		
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	1.03
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

Certification Summary Information Report

Test Group		TFMXT02.31EN			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							

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Test Group	TFMXT02.31EN	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	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
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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 * NMHCr

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	TFMXT02.31EN	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	TFMXT02.31EN	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 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>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> </tbody> </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																														
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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	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG						
Emission Data Vehicle Information									
Vehicle ID / Configuration	TG12-2.3-J-272 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TFMXT02.31EN	Original Evaporative/Refueling Family	TFMXR0140NDG						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	Bronco Badlands						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	TFMXR0140NDG-001						
Drive Sources and Fuel System Details									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table>			Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.03						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	TTG1N3N601	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)	5098	Equivalent Test Weight (pounds)	5500						
GVWR (lbs)	6140	N/V Ratio	32.2						
Axle Ratio	4.7								
Transmission Type	Manual	# of Transmission Gears	7						
Transmission Lockup	No	Creeper Gear	Yes						

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
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Dynamometer Coefficients:

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	46.98	0.7686	0.03731	10.97	0.4676	0.0376	23.8
Cold CO	46.98	0.7686	0.03731	10.97	0.4676	0.0376	N/A
US06	46.98	0.7686	0.03731	10.97	0.4676	0.0376	N/A

Emission Control Device Comments

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Manufacturer Test Vehicle Comments

5 Cycle with FUL catalyst

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Test #	TFMX10092656	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	11/09/2025	Fuel	Gasoline
Fuel Batch ID	375-B	Fuel Calibration Number	75
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	3896	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	506.707817	--
	CO BAG 1 (Bag 1 Carbon Monoxide)	6.1823	--
	FE BAG 1 (Bag 1 Fuel Economy)	16.83667	16.83667
	CH4 BAG 1 (Bag 1 Methane)	0.0562461	--
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.2536874	--
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	466.837301	--
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.0387	--
	FE BAG 2 (Bag 2 Fuel Economy)	18.658037	18.658037
	CH4 BAG 2 (Bag 2 Methane)	0.0001165	--
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0018127	--
	CO2 BAG 3 (Bag 3 Carbon Dioxide)	435.190053	--
	CO BAG 3 (Bag 3 Carbon Monoxide)	0.0324	--
	FE BAG 3 (Bag 3 Fuel Economy)	20.031091	20.031091
	CH4 BAG 3 (Bag 3 Methane)	0.0011978	--
	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0003959	--
	METHANE (CH4 - Methane)	0.012031	--
	CO (Carbon Monoxide)	1.31	--
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.663316	--
	DT-EER (Drive Trace Energy Economy Rating)	-0.548198	--
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.915282	--
	MFR FE (Manufacturer Fuel Economy)	18.6	18.6
	NOX (Nitrogen Oxide)	0.01187	--
	HC-NM (Non-methane Hydrocarbon)	0.05	--
	NMOG (Non-methane organic gases)	0.053445	--
	HC-TOTAL (Total Hydrocarbon)	0.061567	--
	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
	Carbon-Related Exhaust Emissions	468	--
	Test Result Name	Unrounded Test Result	Verify Calculated CO2
	Carbon dioxide	466.4	--
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
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Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 30	CO	1.31	--	--	--	--	--	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	1.31	--	--	--	--	--	1.3	12.5	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Test #	TFMX91006684	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	12/19/2025	Fuel	Gasoline
Fuel Batch ID	43732	Fuel Calibration Number	2
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	4144	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			

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
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Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	445.5882568	--
CO BAG 1 (Bag 1 Carbon Monoxide)	1.1798894	--
FE BAG 1 (Bag 1 Fuel Economy)	999	--
CH4 BAG 1 (Bag 1 Methane)	0.0091211	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.014905	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	442.6065674	--
CO BAG 2 (Bag 2 Carbon Monoxide)	0.0722142	--
FE BAG 2 (Bag 2 Fuel Economy)	999	--
CH4 BAG 2 (Bag 2 Methane)	0.0010368	--
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0002369	--
CO2 BAG 3 (Bag 3 Carbon Dioxide)	402.6332397	--
CO BAG 3 (Bag 3 Carbon Monoxide)	0.0622404	--
FE BAG 3 (Bag 3 Fuel Economy)	999	--
CH4 BAG 3 (Bag 3 Methane)	0.0015839	--
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0002866	--
METHANE (CH4 - Methane)	0.0028637	--
CO (Carbon Monoxide)	0.2992186	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.0726069	--
DT-EER (Drive Trace Energy Economy Rating)	-1.2255777	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.2512182	--
MFR FE (Manufacturer Fuel Economy)	999	--
NOX (Nitrogen Oxide)	0.0084412	--
N2O (Nitrous Oxide)	0.0003886	--
HC-NM (Non-methane Hydrocarbon)	0.0029941	--
NMOG (Non-methane organic gases)	0.003288	--
PM (Particulate Matter)	0.0000494	--
HC-TOTAL (Total Hydrocarbon)	0.0058178	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	9999.9999999	432

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	432.2545776	--

Manufacturer Test Comments

None Unrounded Result for the following test results were modified by Verify: FE BAG 1, MFR FE, FE BAG 3, FE BAG 2

Certification Summary Information Report

Test Group		TFMXT02.31EN				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	0.3	--	--	--	--	--	0.3	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.32	--	--	--	--	--	0.3	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CREE	432	--	--	--	0	--	432	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	METHANE	0.0029	--	--	--	--	--	0.003	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	N2O	0.0004	--	--	--	--	--	0	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0033	--	1.1	--	--	--	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0117	--	--	--	--	--	0.012	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0109	--	--	--	--	--	0.011	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0084	--	--	--	--	--	0.008	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0	--	--	--	--	--	0	0.003	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.3	--	--	--	--	--	0.3	1.0	Pass
CA	150,000 miles	California LEV-III SULEV30	CO-COMP	0.32	--	--	--	--	--	0.3	4.2	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0033	--	1.1	--	--	--	0.003	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0117	--	--	--	--	--	0.012	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX-COMP	0.0109	--	--	--	--	--	0.011	0.050	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0084	--	--	--	--	--	0.008	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0	--	--	--	--	--	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	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Test #	TFMX91006683	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	12/19/2025	Fuel	Gasoline
Fuel Batch ID	43732	Fuel Calibration Number	2
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	4155	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0004784	--
CO (Carbon Monoxide)	0.072269	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	7.875226	--
DT-EER (Drive Trace Energy Economy Rating)	-0.2826394	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	9.3018055	--
MFR FE (Manufacturer Fuel Economy)	28.3573399	--
NOX (Nitrogen Oxide)	0.0006123	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0002569	--
NMOG (Non-methane organic gases)	0.0002646	--
HC-TOTAL (Total Hydrocarbon)	0.0007286	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	9999.9999999	307

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	306.7186584	--

Manufacturer Test Comments None

Certification Summary Information Report

Test Group		TFMXT02.31EN				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	307	--	--	--	0	--	307	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0003	--	1.03	--	--	--	0	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0009	--	--	--	--	--	0.001	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0006	--	--	--	--	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0003	--	1.03	--	--	--	0	999.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0009	--	--	--	--	--	0.001	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0006	--	--	--	--	--	0.001	999.999	Pass

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

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Test #	TFMX91006682	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	12/19/2025	Fuel	Gasoline
Fuel Batch ID	43732	Fuel Calibration Number	2
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	4180	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			

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
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Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	749.9338379	--
CO BAG 1 (Bag 1 Carbon Monoxide)	1.6274247	--
FE BAG 1 (Bag 1 Fuel Economy)	999	--
CH4 BAG 1 (Bag 1 Methane)	0.0067333	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0156231	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	456.2608032	--
CO BAG 2 (Bag 2 Carbon Monoxide)	0.5014459	--
FE BAG 2 (Bag 2 Fuel Economy)	999	--
CH4 BAG 2 (Bag 2 Methane)	0.0034715	--
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0024592	--
METHANE (CH4 - Methane)	0.0041942	--
CO (Carbon Monoxide)	0.7509253	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.2177137	--
DT-EER (Drive Trace Energy Economy Rating)	-1.0318435	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.9434006	--
MFR FE (Manufacturer Fuel Economy)	999	--
NOX (Nitrogen Oxide)	0.0042378	--
N2O (Nitrous Oxide)	0.0009449	--
HC-NM (Non-methane Hydrocarbon)	0.0052193	--
NMOG (Non-methane organic gases)	0.0053759	--
PM (Particulate Matter)	0.0005006	--
HC-TOTAL (Total Hydrocarbon)	0.0093548	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	521.3289185	--

Manufacturer Test Comments None Unrounded Result for the following test results were modified by Verify: FE BAG 2, MFR FE, FE BAG 1

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	0.0005	--	--	--	--	--	0	0.006	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0005	--	--	--	--	--	0	0.006	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Test #	TFMX91006685	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	12/19/2025	Fuel	N/A
Fuel Batch ID	43732	Fuel Calibration Number	2
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4196	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)	0.002333	--
CO (Carbon Monoxide)	0.0136532	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.4100539	--
DT-EER (Drive Trace Energy Economy Rating)	-1.7710916	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.372526	--
MFR FE (Manufacturer Fuel Economy)	14.9616947	--
NOX (Nitrogen Oxide)	0.0112219	--
N2O (Nitrous Oxide)	0.0001059	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
PM (Particulate Matter)	0.0000502	--
HC-TOTAL (Total Hydrocarbon)	0.0023097	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	581.5238647	--

Manufacturer Test Comments

None

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG						
Emission Data Vehicle Information									
Vehicle ID / Configuration	TG12-2.3-J-272 / 1	Manufacturer Vehicle Configuration Number	1						
Original Test Group Name	TFMXT02.31EN	Original Evaporative/Refueling Family	TFMXR0140NDG						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	Bronco Badlands						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	TFMXR0140NDG-001						
Drive Sources and Fuel System Details									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Drive Source and Fuel#</th> <th style="width: 33%;">Drive Source</th> <th style="width: 33%;">Fuel</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Combustion Engine</td> <td style="text-align: center;">Gasoline</td> </tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.03						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	TTG1N3N601	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	4,000 (mi)						
Curb Weight (lbs)	5098	Equivalent Test Weight (pounds)	5500						
GVWR (lbs)	6140	N/V Ratio	32.2						
Axle Ratio	4.7								
Transmission Type	Manual	# of Transmission Gears	7						
Transmission Lockup	No	Creeper Gear	Yes						
Dynamometer Coefficients:									
Target Coefficients			Set Coefficients						
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)						
City/Highway/Evap	46.98	0.7686	0.03731						
	10.97	0.4676	0.0376						
			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
			23.8						
Emission Control Device Comments	--								

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Manufacturer Test Vehicle Comments	50 Deg NMOG - 4K vehicle aged catalyst / sensors		

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Test #	TFMX10092655	Test Procedure	52 - Fed. fuel 50 F exh.
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	10/15/2025	Fuel	Gasoline
Fuel Batch ID	373-B	Fuel Calibration Number	118
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	3807	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	465.573941	--
	CO BAG 1 (Bag 1 Carbon Monoxide)	1.3427	--
	FE BAG 1 (Bag 1 Fuel Economy)	18.660229	18.660229
	CH4 BAG 1 (Bag 1 Methane)	0.0121247	--
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0218094	--
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	436.331197	--
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.054	--
	FE BAG 2 (Bag 2 Fuel Economy)	20.034838	20.034838
	CH4 BAG 2 (Bag 2 Methane)	0.0003664	--
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0003343	--
	CO2 BAG 3 (Bag 3 Carbon Dioxide)	411.740776	--
	CO BAG 3 (Bag 3 Carbon Monoxide)	0.25	--
	FE BAG 3 (Bag 3 Fuel Economy)	21.185483	21.185483
	CH4 BAG 3 (Bag 3 Methane)	0.00086	--
	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0001087	--
	METHANE (CH4 - Methane)	0.002938	--
	CO (Carbon Monoxide)	0.374863	--
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.70867	--
	DT-EER (Drive Trace Energy Economy Rating)	-0.200812	--
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.67831	--
	HCHO (Formaldehyde)	0.0002	--
	MFR FE (Manufacturer Fuel Economy)	20	20
	NOX (Nitrogen Oxide)	0.005404	--
	HC-NM (Non-methane Hydrocarbon)	0.004277	--
	NMOG (Non-methane organic gases)	0.00471	--
	HC-TOTAL (Total Hydrocarbon)	0.007422	--
	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
	Carbon-Related Exhaust Emissions	437	--
	Test Result Name	Unrounded Test Result	Verify Calculated CO2
	Carbon dioxide	435.6	--
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		TFMXT02.31EN				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
CA	4,000 miles	California LEV-III SULEV30	CO	0.37	--	--	--	--	--	0.4	1.0	Pass
CA	4,000 miles	California LEV-III SULEV30	HCHO	0.0002	--	--	--	--	--	0	0.008	Pass
CA	4,000 miles	California LEV-III SULEV30	NMOG	0.0047	--	--	--	--	--	0.005	999.999	Pass
CA	4,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0101	--	--	--	--	--	0.01	0.060	Pass
CA	4,000 miles	California LEV-III SULEV30	NOX	0.0054	--	--	--	--	--	0.005	999.999	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Fuel Properties			
Fuel Batch ID	43732	Fuel Calibration Number	2
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	06/13/2025
Fuel Batch Calibration Effective Date	06/13/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.749
Fuel Ethanol Volume Percent (%)	9.6	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17885
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.37	Fuel Carbon Mass Fraction (E10)	0.83
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--
Fuel Batch ID	375-B	Fuel Calibration Number	75
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	10/27/2025
Fuel Batch Calibration Effective Date	10/27/2025	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 (%)	9.5	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17809
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.424	Fuel Carbon Mass Fraction (E10)	0.829
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.829	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	373-B	Fuel Calibration Number	118
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	09/25/2025
Fuel Batch Calibration Effective Date	09/25/2025	Fuel Batch Calibration Ineffective Date	12/31/2100

Certification Summary Information Report

Test Group	TFMXT02.31EN	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	0.752
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17851
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.521	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG						
Consolidated List of Standards									
Exhaust Standards									
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
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	Fed. fuel 50 F exh.			
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	--	--	1.0
4,000 miles	HCHO	--	--	--	--	--	--	--	0.008
4,000 miles	NMOG	--	--	--	--	--	--	--	999.999
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.060
4,000 miles	NOX	--	--	--	--	--	--	--	999.999
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

Certification Summary Information Report

Test Group		TFMXT02.31EN			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	

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		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		TFMXT02.31EN			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			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	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	--	--	--	--	--	--	--	0.001	
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			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	
Evaporative/Refueling Standards										

Certification Summary Information Report

Test Group	TFMXT02.31EN		Evaporative/Refueling Family	TFMXR0140NDG	
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	California + CAA Section 177 states California LEV-III Zero Evap (Option 2)	
Cert/In-Use Code	Both		Standard Level		
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 California LEV-III Zero Evap (Option 2)	
Cert/In-Use Code	Both		Standard Level		
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	California + CAA Section 177 states California LEV-III Zero Evap (Option 2)	
Cert/In-Use Code	Both		Standard Level		
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	Federal Federal Tier 3 Evap	
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	HC-TOTAL-EQUIV	--	0.20	0.002

Certification Summary Information Report

Test Group	TFMXT02.31EN		Evaporative/Refueling Family	TFMXR0140NDG	
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	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
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	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	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	TFMXT02.31EN	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	COMB-CREE	Combined Carbon-Related Exhaust Emissions
CO	Carbon Monoxide	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
CO2	Carbon dioxide	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
CREE	Carbon-Related Exhaust Emissions	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
OPT-CREE	Optional Carbon-Related Exhaust Emissions	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
NOX	Nitrogen Oxide	LEAK-DIA	Effective Leak Diameter (inches)
PM	Particulate Matter	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
PM-COMP	SFTP Composite Particulate Matter	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
HC-NM	Non-methane Hydrocarbon	KW-HRS	Integrated DC KW-HRS
OMHCE	Organic material Hydrocarbon Equivalent	CH4 BAG 1	Bag 1 Methane
OMNMHCE	Organic material non-methane HC equivalent	CH4 BAG 2	Bag 2 Methane
NMOG	Non-methane organic gases	CH4 BAG 3	Bag 3 Methane
HCHO	Formaldehyde	CH4 BAG 4	Bag 4 Methane
H3C2HO	Acetaldehyde	CO BAG 1	Bag 1 Carbon Monoxide
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	CO BAG 2	Bag 2 Carbon Monoxide
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	CO BAG 3	Bag 3 Carbon Monoxide
CO-COMP	SFTP Composite Carbon Monoxide	CO BAG 4	Bag 4 Carbon Monoxide
ETHANOL	C2H5OH - Ethanol	NMOG BAG 1	Bag 1 Non-methane organic gases
FE BAG 1	Bag 1 Fuel Economy	NMOG BAG 2	Bag 2 Non-methane organic gases
FE BAG 2	Bag 2 Fuel Economy	NMOG BAG 3	Bag 3 Non-methane organic gases
FE BAG 3	Bag 3 Fuel Economy	NMOG BAG 4	Bag 4 Non-methane organic gases
FE BAG 4	Bag 4 Fuel Economy	ACT-DISTANCE BAG 1	Bag 1 Actual Distance
MFR FE	Manufacturer Fuel Economy	ACT-DISTANCE BAG 2	Bag 2 Actual Distance
HC	Hydrocarbon for Running Loss and ORVR	ACT-DISTANCE BAG 3	Bag 3 Actual Distance
METHANE	CH4 - Methane	ACT-DISTANCE BAG 4	Bag 4 Actual Distance
METHANOL	CH3OH - Methanol	HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon
N2O	Nitrous Oxide	HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon
SPITBACK	Spitback Hydrocarbon in grams	HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon
AMP-HRS	Integrated Amp-hours	HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon
START-SOC	System Start State of Charge Watt-hours	WATT-HRS BAG 1	Bag 1 Watt Hours
END-SOC	System End State of Charge Watt-hours	WATT-HRS BAG 2	Bag 2 Watt Hours

Certification Summary Information Report

Test Group		TFMXT02.31EN	Evaporative/Refueling Family		TFMXR0140NDG
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
L2ULEV340	California LEV-II ULEV340	L4SULEV85	California LEV-IV SULEV85
L2LEV630	California LEV-II LEV630	L4ULEV125	California LEV-IV ULEV125
L2ULEV570	California LEV-II ULEV570	L4ULEV200	California LEV-IV ULEV200
L3LEV160	California LEV-III LEV160	L4ULEV250	California LEV-IV ULEV250
L3ULEV125	California LEV-III ULEV125	L4ULEV270	California LEV-IV ULEV270
L3ULEV70	California LEV-III ULEV70	L4ULEV40	California LEV-IV ULEV40
L3ULEV50	California LEV-III ULEV50	L4ULEV400	California LEV-IV ULEV400
L3SULEV30	California LEV-III SULEV30	L4ULEV50	California LEV-IV ULEV50
L3SULEV20	California LEV-III SULEV20	L4ULEV60	California LEV-IV ULEV60
L3LEV395	California LEV-III LEV395	L4ULEV70	California LEV-IV ULEV70
L3ULEV340	California LEV-III ULEV340	T4B170	Federal Tier 4 MDV Bin 170
L3ULEV250	California LEV-III ULEV250	T4B150	Federal Tier 4 MDV Bin 150
L3ULEV200	California LEV-III ULEV200	T4B125	Federal Tier 4 MDV Bin 125
L3SULEV170	California LEV-III SULEV170	T4B100	Federal Tier 4 MDV Bin 100
L3SULEV150	California LEV-III SULEV150	T4B85	Federal Tier 4 MDV Bin 85
L3LEV630	California LEV-III LEV630	T4B75	Federal Tier 4 MDV Bin 75
L3ULEV570	California LEV-III ULEV570	T4B70	Federal Tier 4 Bin 70
L3ULEV400	California LEV-III ULEV400	T4B65	Federal Tier 4 Bin 65
L3ULEV270	California LEV-III ULEV270	T4B60	Federal Tier 4 Bin 60
L3SULEV230	California LEV-III SULEV230	T4B55	Federal Tier 4 Bin 55
L3SULEV200	California LEV-III SULEV200	T4B50	Federal Tier 4 Bin 50
T3B160	Federal Tier 3 Bin 160	T4B45	Federal Tier 4 Bin 45
T3B125	Federal Tier 3 Bin 125	T4B40	Federal Tier 4 Bin 40
T3B110	Federal Tier 3 Transitional Bin 110	T4B35	Federal Tier 4 Bin 35
T3B85	Federal Tier 3 Transitional Bin 85	T4B30	Federal Tier 4 Bin 30
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover	T4B25	Federal Tier 4 Bin 25
T3B70	Federal Tier 3 Bin 70	T4B20	Federal Tier 4 Bin 20
T3B50	Federal Tier 3 Bin 50	T4B15	Federal Tier 4 Bin 15
T3B30	Federal Tier 3 Bin 30	T4B10	Federal Tier 4 Bin 10
T3B20	Federal Tier 3 Bin 20	T4B5	Federal Tier 4 Bin 5
T3B0	Federal Tier 3 Bin 0	T4B0	Federal Tier 4 Bin 0
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395		
Transmission Type Code			
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual
A	Automatic	OT	Other
AM	Automated Manual	SA	Semi-Automatic
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)
Drive System Code			
4	4-Wheel Drive	P	Part-time 4-Wheel Drive

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
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