

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

CARB USE ONLY

Invoice Name	MSF240804
Invoice Date	Feb 06, 2025

COMPANY INFORMATION

Company Name	Ford Motor Company
Address	1 American Road
City	Dearborn
State	Michigan
Zip	48193
Country	United States
Contact Name	Tina Oliver
Contact Telephone Number	313-3238938
Contact Email	toliver@ford.com
CARB Customer Number	CCAM000031


APPLICATION INFORMATION

Payment Row Number	Product Description or File Name	Model Year/Calendar Year	Unique Application Identifier: Test Group, Engine Family, Trailer Family, Vehicle Family, ZEP Family, if applicable (ID listed in payment row must match the unique identifier given to the certification application)	Category Type	Fee Type	Amount
1	26_CBI_TFMXT03.0JPC_APP	Model Year 2026	TFMXT03.0JPC	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
2	26_CBI_TFMXT02.34K4_APP	Model Year 2026	TFMXT02.34K4	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
3	26_CBI_TFMXT02.02JF_APP	Model Year 2026	TFMXT02.02JF	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
4	26_CBI_TFMXT03.0TPC_APP	Model Year 2026	TFMXT03.0TPC	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
5	26_CBI_TFMXT03.33F1_APP	Model Year 2026	TFMXT03.33F1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
6	26_CBI_TFMXV05.0VKN_APP	Model Year 2026	TFMXV05.0VKN	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
7	26_CBI_TFMXV05.2GTD_APP	Model Year 2026	TFMXV05.2GTD	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
8	26_CBI_TFMXV03.33U3_APP	Model Year 2026	TFMXT03.33U3	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
9	26_CBI_TFMXT02.54F1_APP	Model Year 2026	TFMXT02.54F1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00

10	26_CBI_TFMXT01.52X4_APP	Model Year 2026	TFMXT01.52X4	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
11	26_CBI_TFMXV02.3VJG_APP	Model Year 2026	TFMXV02.3VJG	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
12	26_CBI_TFMXT03.51F2_APP	Model Year 2026	TFMXT03.51F2	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
13	26_CBI_TFMXT02.02Y5_APP	Model Year 2026	TFMXT02.02Y5	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
14	26_CBI_TFMXT03.57AV_APP	Model Year 2026	TFMXT03.57AV	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
15	26_CBI_TFMXT05.03DP_APP	Model Year 2026	TFMXT05.03DP	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
16	26_CBI_TFMXT03.54HT_APP	Model Year 2026	TFMXT03.54HT	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
17	26_CBI_TFMXT03.54JK_APP	Model Year 2026	TFMXT03.54JK	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
18	26_CBI_TFMXT02.73JK_APP	Model Year 2026	TFMXT02.73JK	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
19	26_CBI_TFMXT00.0BG2_APP	Model Year 2026	TFMXT00.0BG2	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
20	26_CBI_TFMXT00.0BG4_APP	Model Year 2026	TFMXT00.0BG4	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
21	26_CBI_TFMXT05.2AHS_APP	Model Year 2026	TFMXT05.2AHS	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
22	26_CBI_TFMXV00.0B4A_APP	Model Year 2026	TFMXV00.0B4A	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
23	26_CBI_TFMXV00.0G4A_APP	Model Year 2026	TFMXV00.0G4A	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
24	26_CBI_TFMXT02.36HH_APP	Model Year 2026	TFMXT02.36HH	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
25	26_CBI_TFMXT03.03V8_APP	Model Year 2026	TFMXT03.03V8	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
26	26_CBI_TFMXV00.0B4R_APP	Model Year 2026	TFMXV00.0B4R	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
27	26_CBI_TFMXV00.0BLA_APP	Model Year 2026	TFMXV00.0BLA	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
28	26_CBI_TFMXV00.0BLR_APP	Model Year 2026	TFMXV00.0BLR	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
29	26_CBI_TFMXT02.31EN_APP	Model Year 2026	TFMXT02.31EN	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
30	26_CBI_TFMXT02.72V9_APP	Model Year 2026	TFMXT02.72V9	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
31	26_CBI_TFMXT02.71HT_APP	Model Year 2026	TFMXT02.71HT	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
32	26_CBI_TFMXV05.2VEZ_APP	Model Year 2026	TFMXV05.2VEZ	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00

				medium-duty vehicle test group		
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Total Due	\$ 1,295,952.00
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I,  _____, attest that any information provided is true, accurate, and complete.
(Responsible Party Signature Here)

Application for Certification

Part 1



FORDMOTORCOMPANY
APPLICATION FOR CERTIFICATION - PART 1

2026 Model Year

Test Group: TFMXT02.31EN
Durability Group: TFMXGPGNND8A
Evap. Families: TFMXR0140NDF
TFMXR0140NDG

Test Group Description: 2.3L Liter, I4, LDT2 /LDT3

Durability Group Description: Four Stroke, Otto Cycle, Gasoline Fueled,
Turbocharged, Sequential Fuel Injection, Direct
Injection, Catalyst Code D

Applicable Standards:

Federal Exhaust -	Tier 3 Bin 30
Federal Evap -	Tier 3
California Exhaust -	LEV III SULEV30
California Evap -	LEV3
Cold NMHC FEL -	0.3 g/mi
CH4 -	0.030 g/mi
N ₂ O -	0.010 g/mi
Fed FTP Particulate Matter -	3 mg/mi
Cal FTP Particulate Matter -	1 mg/mi
SFTP FEL -	0.050 g/mi NMOG+NOx

Carlines Covered: Bronco 4WD, Bronco Badlands 4WD
Bronco Sasquatch 4WD
Ranger 2WD, Ranger 4WD

Vehicles Tested:

Exhaust Emissions Vehicle: TG12-2.3-J-272/ Config 0 E10		Evaporative Emissions Vehicle: MG11-2.3-J-203 / Config 0 301W321 (BETP Only) / Config 0	
FTP TN:	TFMX91006684	2Day TN:	MFMX10067811
HWY TN:	TFMX91006683	3Day TN:	MFMX10068292
US06 TN:	TFMX91006682	RL TN:	MFMX10067818
SC03 TN:	TFMX91006685	ORVR TN:	MFMX10067812
Cold CO TN:	TFMX10092656	LINKING:	MFMX10067778
50 Deg NMOG TN:	TFMX10092655	BETP:	NFMX10071316

Release Date: June 1st, 2026

For Questions, Contact:
Terry Cowher, tcowher@ford.com (313-805-6360)

Test Group: TFMXT02.31EN
Issue Date: 1/12/2026
Updated:



Part 1 Application Index

- § **00.00.00.00** **Cover Page**
- § **02.00.00.00** **Durability Group Description**
- § **03.00.00.00** **Evaporative/ Refueling Family Description**
- § **04.00.00.00** **Durability Procedure Description**
- § **05.00.00.00** **Test Group Description**
- § **06.00.00.00** **Test Vehicle Description**
- § **07.00.00.00** **Test Results**
 - 07.00.01.00 EPA Certification Summary Information (CSI) report(s)
- § **08.00.00.00** **Emission Testing Waiver Statements**
 - 08.00.01.00 Statements of compliance
- § **09.00.00.00** **OBDII System Description**
- § **10.00.00.00** **Alternate –Fueled Vehicle Description**
- § **11.00.00.00** **AECD Descriptions**
- § **12.00.00.00** **Description of Vehicles Covered by Certificate and Test Parameters**
 - 12.00.01.00 Common Family Parameters
 - 12.00.02.00 Calibration Description
 - 12.00.03.00 Calibration Parts List
 - 12.00.05.00 Test Vehicle Requirements
 - 12.00.06.00 Vehicle Description Reports
- § **14.00.00.00** **Request for Certification**
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- § **16.00.00.00** **Confidential Information**
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 - 16.00.03.00 OBD II Deficiency Summary
 - 16.00.04.00 DF Summary
 - 16.00.05.00 PowerTrain Control Module (PCM) - Parameters
- § **17.00.00.00** **California ARB Information**
 - 17.00.01.00 Certification Review Sheet
 - 17.00.02.00 Supplemental Data Sheet
 - 17.00.03.00 VECI Label
- § **18.00.00.00** **Revisions**

Part 2 Application Index **(Running change updates)**



SECTION 2

Durability Group Description

For a description of the Durability Group for this test group refer to Section 16.00.00.00 of the Common Section.



SECTION 3

Evaporative/Refueling Family Description

03.00.00.00

03.00.01.00 Evaporative Family and Calibration Parameters

Evaporative Family Name: TFMXR0140NDF (LDT2)
 Evaporative Family Name: TFMXR0140NDG (LDT3)

2026 MY 2.3L GTPFDI Bronco

<u>Emission Component</u>	<u>Sensed Parameter</u>	<u>Controlled Parameter</u>	<u>Justification</u>	<u>Calibration Specification</u>
Capless Refueling Component Insert MU5A-9D000-AC	None	Fuel Tank Vapor	Operates in EVAP and/or ORVR	
Vapor Hose with ORVR Recirculation Orifice MB3G-9C015-PD (SWB) MB3G-9C015-RE (LWB)	None	Vapor Recirculation	Operates in ORVR	Recirc. Orifice Diameter: 2.5 mm
Combo Fuel Limiting Vent Valve & Grade Vent Valve MB3G-9B190-AB (SWB)	Fuel Tank Vapor	Fuel Tank Vapor	Operates in EVAP and/or ORVR	FLVV Orifice Diameter: 10.2 mm GVV Orifice Diameter: 2.54 mm
Fuel Limiting Vent Valve 9L14-9B190-EA (LWB)	Fuel Tank Vapor	Fuel Tank Vapor	Operates in EVAP and/or ORVR	FLVV Main Orifice Diameter: 9.14 mm FLVV Bypass: 1.25 mm
Grade Vent Valve MB3G-9B593-PB (One per tank on SWB; two per tank on LWB)	Fuel Tank Vapor	Fuel Tank Vapor	Operates in EVAP	Main Orifice: 4.0 mm Bleed: 1.0 mm
Fuel Tank Pressure Sensor 9U5A-9C052-BC	Fuel Tank Pressure	None	Operates in FTP	
Carbon Canister MB3G-9D653-AC	None	Fuel Vapor	Operates in EVAP and/or ORVR	140g BWC 2.3L Total Volume (includes 0.065L Bleed Element)
Canister Purge Valve EU5A-9G866-BD	Signal from PCM	Vacuum to canister	Operates in FTP	85 SLPM
AIS Hydrocarbon Trap GN15-9T303-AA	None	Fuel Vapor	Operates in EVAP	

NOTE: SWB = Short Wheel Base (2-door) and LWB = Long Wheel Base (4-door)

03.00.01.00 Evaporative Family and Calibration Parameters

Evaporative Family Name: TFMXR0140NDG

2026 MY 2.3L GTPFDI Ranger

<u>Emission Component</u>	<u>Sensed Parameter</u>	<u>Controlled Parameter</u>	<u>Justification</u>	<u>Calibration Specification</u>
Fuel Filler Pipe Assembly with Capless Insert MB3G-9032-DG	None	Fuel Tank Vapor, Liquid Fuel Flow, Vapor Recirculation	Operates in EVAP and/or ORVR	Recirc. Orifice Diameter: 2.75 mm
Fuel Limiting Vent Valve 9L34-9B190-AA	Fuel Tank Vapor	Fuel Tank Vapor	Operates in EVAP and/or ORVR	FLVV Main Orifice Diameter: 9.14 mm FLVV Bypass: 1.25 mm
Grade Vent Valve G1FY-9B593-RA (two per tank)	Fuel Tank Vapor	Fuel Tank Vapor	Operates in EVAP	Main Orifice: 3.1 mm Bleed: 0.8 mm
Fuel Tank Pressure Sensor 9U5A-9C052-BC	Fuel Tank Pressure	None	Operates in FTP	
Carbon Canister MB3G-9D653-AC	None	Fuel Vapor	Operates in EVAP and/or ORVR	140g BWC 2.3L Total Volume (includes 0.065L Bleed Element)
Canister Purge Valve EU5A-9G866-BD	Signal from PCM	Vacuum to canister	Operates in FTP	85 SLPM
AIS Hydrocarbon Trap GN15-9T303-AA	None	Fuel Vapor	Operates in EVAP	



SECTION 4

Durability Procedure Description

For a description of the Durability Procedure, refer to Section 16.00.00.00 of the Common Section.



SECTION 5

Test Group Description

For a description of this Test Group, refer to the Cover Page (00.00.00.00) and to the Test Results Section (07.00.00.00) of this application.



SECTION 6

Test Vehicle Description

For a description of the Test Vehicles utilized in this Test Group, refer to Section 07.00.00.00 of this application.



SECTION 7

EPA Certification Summary Information Report

(Test Results)

Certification Summary Information Report

Manufacturer	Ford Motor Company	Manufacturer Code	FMX
Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	01/11/2026 01:48:31 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	LDT2, LDT3
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	TFMXGPGNND8A	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	TFMXT02.31EN
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, City Litmus Threshold Value = 15.7, Highway Litmus Value = 18.2, Highway Litmus Value = 19.7		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
Evaporative/Refueling Family Information			
Evaporative Summary Information Type	Update for Correction	Submission/Correction Date	09/16/2025 09:06:40 AM
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 EVAP Family Comments
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
TFMXR0140NDF-001	50 State	0.02	--

Certification Summary Information Report

Test Group		TFMXT02.31EN		Evaporative/Refueling Family		TFMXR0140NDF	
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	27 - BRONCO BADLANDS 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	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	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	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	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	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	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	29 - BRONCO SASQUATCH 4WD	Federal	Part-time 4-Wheel Drive	Manual	7	No
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		

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF	
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			

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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 Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Gasoline		TFMX91006684	TFMX91006682	TFMX91006685	TFMX10092656	TFMX91006683	44.8	15.7	78.8	19.7	1.0

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	TFMXR0140NDF						
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									

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	0.020	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL	0.0151	0	0.015	0.020	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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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 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

Certification Summary Information Report

Test Group		TFMXT02.31EN			Evaporative/Refueling Family			TFMXR0140NDF
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	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	TFMXR0140NDF
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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	0.0000	0.338	0.400	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.3375	0.0000	0.338	0.400	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	0.0000	0.373	0.400	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.3726	0.0000	0.373	0.400	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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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

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

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	0.10	0.20	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.098	0.002	0.10	0.20	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	0.000	0.000	0.00	0.05	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.000	0.000	0.00	0.05	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF						
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			TFMXR0140NDF
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	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	--							
Manufacturer Test Vehicle Comments	5 Cycle with FUL catalyst							

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	TFMXR0140NDF
	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	TFMXR0140NDF
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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	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	TFMXR0140NDF
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	TFMXR0140NDF
	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				TFMXR0140NDF		
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	0.30	--	--	--	--	--	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	--	--	--	--	--	0.000	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	0.0000	--	--	--	--	--	0.000	0.003	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.30	--	--	--	--	--	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	0.0000	--	--	--	--	--	0.000	0.001	Pass

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

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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				TFMXR0140NDF		
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	--	--	--	0.000	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	--	--	--	0.000	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	TFMXR0140NDF
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	TFMXR0140NDF
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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	--	--	--	--	--	0.000	0.006	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0005	--	--	--	--	--	0.000	0.006	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	TFMXR0140NDF
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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
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Leak Family Details

Leak Family Identifier	001	Leak Family Name	TFMXR0140NDG-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	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:

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

Emission Control Device Comments --

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
Manufacturer Test Vehicle Comments	50 Deg NMOG - 4K vehicle aged catalyst / sensors		

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	TFMXR0140NDF
	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				TFMXR0140NDF		
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	--	--	--	--	--	0.000	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	--	--	--	--	--	0.010	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	TFMXR0140NDF
Fuel Properties			
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	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
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	--
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	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

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	--

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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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	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	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	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

Certification Summary Information Report

Test Group		TFMXT02.31EN			Evaporative/Refueling Family			TFMXR0140NDF		
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		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			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			TFMXR0140NDF		
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		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		TFMXR0140NDF			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	--	0.400	0.0000					

Evaporative/Refueling Family		TFMXR0140NDF			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	--	0.400	0.0000					

Evaporative/Refueling Family		TFMXR0140NDF			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	--	0.400	0.0000					

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF		
Evaporative/Refueling Family	TFMXR0140NDF	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	0.000
Evaporative/Refueling Family	TFMXR0140NDF	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	TFMXR0140NDF	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	0.000
Evaporative/Refueling Family	TFMXR0140NDF	Cert Region	California + CAA Section 177 states California LEV-III Zero Evap (Option 2)		
Cert/In-Use Code	Both	Standard Level			
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	TFMXR0140NDF	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	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF		
Evaporative/Refueling Family	TFMXR0140NDF	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	--	0.400	0.0000
Evaporative/Refueling Family	TFMXR0140NDF	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

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDF
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	TFMXT02.31EN	Evaporative/Refueling Family		TFMXR0140NDF
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		TFMXT02.31EN	Evaporative/Refueling Family		TFMXR0140NDF
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	

Certification Summary Information Report

Manufacturer	Ford Motor Company	Manufacturer Code	FMX
Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	01/11/2026 01:48:31 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	LDT2, LDT3
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	TFMXGPGNND8A	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	TFMXT02.31EN
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, City Litmus Threshold Value = 15.7, Highway Litmus Value = 18.2, Highway Litmus Value = 19.7		
Mfr Exhaust / Evap Standards Comments	--		

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	160 - RANGER 2WD	Federal	2-Wheel Drive, Rear	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	29 - BRONCO SASQUATCH 4WD	Federal	Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
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	29 - BRONCO SASQUATCH 4WD	California + CAA Section 177 states	Part-time 4-Wheel Drive	Manual	7	No
Ford Motor Company	1 - Ford	160 - RANGER 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	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	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	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
Ford Motor Company	1 - Ford	24 - BRONCO 4WD	Federal	Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
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	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	Semi-Automatic	10	Yes

Engine Description		Hybrid 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

Certification Summary Information Report

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			

Certification Summary Information Report

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 Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Gasoline		TFMX91006684	TFMX91006682	TFMX91006685	TFMX10092656	TFMX91006683	44.8	15.7	78.8	19.7	1.0

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
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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
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Leak Family Details

Leak Family Identifier	001	Leak Family Name	NFMXR0140NDG-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

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	44.07	0.6921	0.04663	20.96	0.5259	0.04582	26

Emission Control Device Comments 22MY BETP

Certification Summary Information Report

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	0.020	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL	0.0151	0	0.015	0.020	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	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"> <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	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							

Certification Summary Information Report

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	0.0000	0.338	0.500	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.3375	0.0000	0.338	0.500	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	0.0000	0.373	0.500	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.3726	0.0000	0.373	0.500	Pass

Certification Summary Information Report

Test Group	TFMXT02.31EN	Evaporative/Refueling Family	TFMXR0140NDG
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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

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

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	0.10	0.20	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.098	0.002	0.10	0.20	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
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	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	--							
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		
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	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
	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	0.30	--	--	--	--	--	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	--	--	--	--	--	0.000	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	0.0000	--	--	--	--	--	0.000	0.003	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.30	--	--	--	--	--	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	0.0000	--	--	--	--	--	0.000	0.001	Pass

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

Certification Summary Information Report

Test Group	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	--	--	--	0.000	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	--	--	--	0.000	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	--	--	--	--	--	0.000	0.006	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0005	--	--	--	--	--	0.000	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	--	--	--	--	--	0.000	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	--	--	--	--	--	0.010	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	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	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
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	--
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	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

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 (%)	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	--

Certification Summary Information Report

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

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			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	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			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			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			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		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					

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	0.0000					

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	0.0000					

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	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	Federal fuel 3-day evap				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0000
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	0.0000
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	0.000
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

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	0.0000

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	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	TFMXT02.31EN	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		TFMXT02.31EN	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	



SECTION 8

Emission Testing Waiver Statements

Refer to Section 14.01.00.00 of the Common Section for
Statements of Compliance.



SECTION 8

Emission Testing Waiver Statements and Statements of Compliance

Statement of Compliance for test group TFMXT02.31EN

Ford Motor Company's test and production vehicles do not have defeat devices. All AECDs have been declared and described in the application. This test group has been designed and engineered to comply with 40 CFR 86.1809-12 (prohibition of defeat devices), satisfies 40 CFR 86.1844-01 (application submittal requirements for AECDs), and does not utilize alternate emissions control maps that are unique for testing purposes relative to on-road operation.

Is the transmission part of any AECD, for example, by receiving outputs from the ECU or providing inputs to the ECU, in any emission control strategy, for example, engine and/or catalyst warm-up?

If yes, please describe, including purpose, entry/exit conditions, actuations, and justifications.

Ford describes the transmission controls and potential interaction effects within the confidential AECD documentation found in section 16.05.00 of the common section area of the application submittals. This documentation covers the purpose, inputs, controlled actions, and justifications. For example, as referenced in the Drive Speed Control section of that document, the transmission can receive requests from the ECU to delay upshifts based on cold engine coolant temperature and/or low inferred catalyst temperature to assist with engine or catalyst warm-up.

Does the transmission behave and perform the same as, or differently than, while on road versus on a dynamometer?

Please explain any differences.

Ford does not attempt to discern whether the vehicle is operating on a dynamometer or on the road. However, there are certain conditions that can cause the transmission to operate differently based on the sensed inputs that may not be encountered during dynamometer testing. For example, when climbing grades or when towing, the transmission will make gear ratio adjustments to compensate against excessive engine lugging and reduced vehicle response. There can also be unique transmission scheduling in different customer selectable drive modes, such as EcoSelect, Sport, Snow, Rock Crawl, etc. The types of conditions that are anticipated to cause transmission adjustments are described in the confidential AECD descriptions located in 16.05.00 of the common section. For customer-selectable drive modes that could reasonably be driven over emission test cycles, Ford evaluates emission performance to assure that these modes meet applicable emission standards.

Special dynamometer test modes are required for certain vehicle technologies such as start/stop and HEVs to assure that fault conditions are not set while operating on two-wheel drive dynamometers. This allows the vehicles to behave normally, as they would on the road, rather than causing default/FMEM actions to occur due to significant wheel speed differences between the front and rear axles.

For additional statements of compliance, please refer to Section 14.01.00.00 of the Common Section.



SECTION 9

OBD-II System Description

For a description of the OBD System utilized for this Test Group, refer to Section 16.06.00.00 of the Common Section.



SECTION 10

Description of Alternate-Fueled Vehicles

For a description of the Alternate-Fueled vehicles covered by this Test Group, refer to Section 12.00.00.00 (Description of Vehicles Covered by Certificate and Test Parameters) of this Application.



SECTION 11

AECD Description

For a description of the AECDs utilized in this Test Group,
refer to Section 16.00.05.00 of this application,
and 16.05 of the Common Section.



SECTION 12

Description of Vehicles Covered by Certificate and Testing Parameters

Common Family Parameters – Test Group: TFMXT02.31EN

Vehicle Program: Bronco / Ranger 2.3L

<u>Test Group Information</u>	
Vehicle/Engine Class	LTD2/LDT3
Vehicle Fuel Category	<i>Single Fuel</i>
Operating Fuel 1	<i>Gas</i>
Engine Displacement (liters)	Bronco 2.3L
SAE net HP @ RPM (98 Ron)	300 @ 5500
SAE net torque ft-lb @ RPM	325 @ 3000
Engine Displacement (liters)	Ranger 2.3L
SAE net HP @ RPM (91 Ron)	270 @ 5500
SAE net torque ft-lb @ RPM	310 @ 3000

<u>Emission Control System:</u>	
Air Aspiration Method*	<i>Turbocharged (TC)</i>
Charge Air Cooler Type* (TG-51)	<i>Air</i>
Exhaust Gas Recirculation (EGR)*	Yes
Cooled EGR *	Yes
Air injection Type (AIR)*	NA=Not applicable
After-Treatment Type *	TWC
	TWC+GPF
Fuel Metering System *	Gasoline Direct (GDI)
	Sequential Fuel (SFI)
Heated oxygen sensor (HO ₂ S)*	YES
Heated Air/Fuel Sensor or WR oxygen sensor (AFS/WR-HO ₂ S)*	YES
Feedback Sensor Configuration	WR-HO ₂ S, HO ₂ S

Shift Schedules	See Common Section
EVAP Canister working Capacity	See Common Section
EVAP Canister Bed Volume	See Common Section
Fuel Tank Temperature Profile	See Common Section

* VECI label item

Calibration Descriptions – TFMXT02.31EN

Cert Code / Calibration	Evaporative Family	Application	Transmission	Vehicle
TTG1N3N50001/TTG1N3N505 TTG1N3N40001/TTG1N3N405 TTG1N3N60001/TTG1N3N605	TFMXR0140NDF/ TFMXR0140NDG	50S	MT/88	Bronco
TTG1N3NE0001/TTG1N3NE05 TTG1N3ND0001/TTG1N3ND05	TFMXR0140NDG	50S	10R80	Bronco
TTRDN3NC0001/ TTRDN3NC05	TFMXR0140NDG	50S	10R80	Ranger

Reference Specifications				
Spark Plug	JYSP-12YPT			
	Gap: 0.7 +/- 0.05 mm			
Ignition Timing °BTDC (No SPOUT connector)	PCM Controlled			
Idle RPM	PCM Controlled			
Target (Base) in Drive (A/C OFF/A/C ON)	A/T: 825/850			Special conditions which may require idle speeds higher than base are listed below. (See Section 16.05 for descriptions of these strategies):
In Neutral (A/C OFF/A/C ON)	A/T: 825/850			
	M/T: 825/850			

Potential Idle/Drive Speed Modifier	Function Utilized (Y/N)	Purpose
Low or high air charge temperature	N	Heater, A/C or engine cooling performance
Low catalyst temperature	Y	Achieve/maintain light off
Low engine coolant temperature	Y	Combustion stability
Low or high ambient temperature	Y	Heater or A/C performance
High transmission oil temperature	N	Ensure adequate fluid pressure
Low battery voltage	Y	Avoid stalling or no-start
High Alternator load	N	Preserve battery life and avoid low voltage
High-speed fan operation	N	For engine and A/C condenser cooling
Extended neutral idle time	Y	Maintain catalyst temperature
Power steering pressure	N	Ensure adequate P/S assistance
High Altitude	N	Maintain air mass flow to avoid stalling
Alternate calibration	Y	Avoid spark plug fouling during plant/dealer handling
Drive Speed Control or Shift Delay	Y	Increase engine speed to improve cabin heating or cooling
Heated Windshield	N	Maintain charging margin
ETC Failure	N	Electronic Throttle Failure Min RPM
A/C Adder (50RPM)	Y	NVH Improvement
High auxiliary loads	N	Belt tensioner durability on BiSG and HV Motor cooling
Eco Idle Feature (Park/Neutral)	N	Raise idle speed to reduce fuel consumption and engine off time during Park/Neutral state

Emission Component	Sensed Parameter	Controlled Parameter	Justification ¹	Calibration
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ELECTRONICS – PCM²

FUEL

Fuel Injector	Signal from PCM	Fuel Flow	N/A	Direct injection: 697.8 g/min Port injection: 139 +/- 4.45 g/min
Regulated Fuel Pressure	Signal from PCM	Fuel Pressure	N/A	Port injection: CLPC Direct injection: CLPC
Fuel Pump	Signal from PCM	Fuel Flow	N/A	Low Pressure: 240 L/h @ 12V & 350kPa High Pressure: 180.7 L/h @ 3250 rpm
Torque Based Electronic Throttle Control	Signal from PCM	None	Operates in FTP	Throttle Diameter: 62.2 mm

Fuel System Control Strategy²

Open loop enrichment for driver torque demand	Throttle Position or Pedal Position or Engine LOAD, and Engine RPM	Air-Fuel Ratio (LAMBSE)	Protection against damage or accident; provides additional power under extended torque demand	See Section 16.00.05.00 for air-fuel calibration (LAMBSE) in function "ol_lam_pwr_a_m" if accelerator pedal is greater than "FN311P" (90%) for "ol_tm_pwr_dly_a_m" seconds. Otherwise, open loop target, "OL_LAM_DES" is 1.00 (stoich). * and the entry conditions in function "FN311P".
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Test Group: TFMXT02.31EN

12.00.02.00

Issued: 1/11/2026

Revised:

Open Loop Delay Timers	Time and Gear	Delay open loop fuel	Allows time for downshift; limit enrichment to unusual conditions	See Section 16.00.05.00 for delay time calibration "FN1311P" and the maximum open-loop count-up time, "ol_tm_pwr_dly_a_m"
Open Loop Enrichment Catalyst Protection	Inferred Catalyst Temperature	Air-Fuel Ratio (LAMBSE)	Protection against damage	See Section 16.00.05.00 for inferred catalyst temperature to trigger enrichment, either "CAT_MAX" or "CAT_MAX_LO" and "CAT_MAX_HI" and the time delay on CAT_MAX_LO," "CAT_TMR_THRES"

Emission Component	Sensed Parameter	Controlled Parameter	Justification ¹	Calibration
Open Loop Enrichment EGO Protection	Inferred Oxygen Sensor Temperature	Air-Fuel Ratio (LAMBSE)	Protection against damage	See Section 16.00.05.00 for inferred EGO temperature to trigger enrichment, "FEGO_MAX"
Open Loop Enrichment Engine/Exhaust Manifold Protection	Inferred Exhaust Manifold Flange Temperature	Air-Fuel Ratio (LAMBSE)	Protection against damage	See Section 16.00.05.00 for inferred exhaust flange temperature, "FLN_MAX" or "FLN_MAX_LO" and "FLN_MAX_HI" and the time delay on FLN_MAX_LO," "FLN_TMR_THRES"
Open Loop Enrichment Following Deceleration Fuel Shut-Off (DFSO)	Injector state, inferred catalyst O ₂ stored, and CMS voltage	Air-Fuel Ratio (LAMBSE)	Substantially demonstrated on FTP	See Section 16.00.05.00 for air-fuel ratio utilized following fuel shut-off event, "LAM_REACT"
<u>CRANKCASE</u> Crankcase Ventilation Oil Separator Assembly	Manifold Vacuum	Air Flow to Engine	Operates in FTP	17.0 +/- 2 L/Min @ -60 kPa 35.0 +/- 7 L/Min @ -46.7 kPa 45.0 +/- 4 L/Min @ -26.7 kPa 45.0 +/- 4 L/Min @ -13.3 kPa
Crankcase Ventilation Oil Separator Assembly – Not Heated	Ambient Temp Battery Voltage	PCV Heating	Vehicle Safety	N/A

Emission Component	Sensed Parameter	Controlled Parameter	Justification ¹	Calibration
<u>VCT Control Strategy</u>				
Cam timing based on requested torque and percent torque	Requested Torque, Percent Torque, Engine Speed, and Load	Cam Phase Timing	VCT optimized for fuel efficiency within constraints of combustion stability, driveability, emissions, and vacuum limitations	See Section 16.00.05.00 for "hdcfg_ix_fe_v" Best FE mapped points in combination with "FNHDFX_BEST_FE_DIST" (eng_spd, load) and "FNHDFX_BEST_DRIVE_DIST" (eng_spd, pct_load) distances.
Cam Timing Limitation for Combustion Stability	Requested Torque and Engine Speed	Cam Phase Timing	Protection against damage or accident	See Section 16.00.05.00 for "FNHDFX_VCT_COMB_STAB_EXH" and "FNHDFX_VCT_COMB_STAB_INT"
Cam Actuator Limitation for Oil Temperature	Oil Temperature; or Time-since-start and ECT-at-start	Cam Phase Timing	Protection against damage or accident	See Section 16.00.05.00 for "FNHDFX_FNEOT_ADV_INT" and "FNHDFX_FNEOT_EXH"
Cam Actuator Limitation for start-up	Engine Coolant Temp. at start and time-since-start	Cam Phase Timing	Protection against damage or accident	See Section 16.00.05.00 for "fnvct_enable_delay" and "FNHDFX_VCT_COMB_STAB_EXH" and "FNHDFX_VCT_COMB_STAB_INT"
Cam Retard Limitation under Hi Torque Demand n	Engine Speed and Requested Torque	Cam Phase Timing or Throttle Position	Protection against damage or accident under high torque demand	See Section 16.00.05.00 for Contained within the Best FE, Best Drv noted above and the Optimal Performance "FN_HDFX_OP_IVO" and "FN_HDFX_OP_EVC" calibrations.

Cam Actuator Limitation for
ACT Effects

Air Charge
Temperature

Cam Phase Timing

Protection against
damage or accident
by maintaining
combustion stability

See Section 16.00.05.00 for
"FNHDFX_VCTLIM_EXH"

ENGINE COOLING

Thermostat

Coolant
Temperature

Coolant Flow

Engine Protection

Start to Open: 92 °C +1.8 °C / -2 °C

1 – Justification provided for AEC systems (i.e. sense operating conditions and control the function of an emission component) and not for the individual components.

2 – See Section 16.05 for Strategy Control Systems descriptions

3 – "FTP" represents all tests required for certification

* – indicates that ending characters on some parameter names may vary

**2026MY 2.3L Bronco / Ranger
Exhaust Emissions Parts List
TFMXT02.31EN**

<u>Engine Family</u>	Certification		<u>Cert Code</u>	<u>Calibration(s)</u>	<u>PCM Assembly Part #</u>
	<u>Level</u>				
TFMXT02.31EN	Init Cert		TTG1N3N50001	TTG1N3N505	PTB3A-12A650-AMC
			TTG1N3N40001	TTG1N3N405	PTB3A-12A650-ANC
			TTG1N3N60001	TTG1N3N605	PTB3A-12A650-APC
			TTG1N3NE0001	TTG1N3NE05	PTB3A-12A650-ARC
			TTG1N3ND0001	TTG1N3ND05	PTB3A-12A650-ASC
			TTRDN3NC0001	TTRDN3NC05	PTB3A-12A650-ATC

<u>Part Name</u>	<u>Part Number</u>
Camshaft Position Sensor	P2GA-12K073-BB
Catalyst	SB35-5L230-AE
Charge Air Cooler	MB3G-6D624-AA
Crank Position Sensor	P2GA-6C315-AC
Cylinder Head Temp Sensor	P2GA-6G004-AC
EGR Cooler Assy	P2GE-9F464-AB P2GE-9F464-AC (Alt.)
EGR Temp Sensor	P2GA-9U498-AE
EGR Valve	P2GE-9D475-AE
Electronic Throttle Body	P2GE-9F991-AC
Engine Coolant Temperature Sensor	P2GA-12A648-AB
Exhaust Pressure Sensor	SB3G-5H209-AA
Fuel Injector (DI)	P2GE-9G929-BA
Fuel Injector (PFI)	P2GE-9F593-AA
Fuel Pressure Sensor (High Psi)	P2GE-9F972-AA
Fuel Pressure Sensor (Low Pressure)	P2GE-9F972-BA
Fuel Pump High Pressure	P2GE-9D376-AA
Heated Air/Fuel Sensor (WR-HO2S)	SB3G-9Y460-AA
Heated Oxygen Sensor (CMS)	RB3G-9G444-BA
Knock Sensor	JR3A-12A699-AA
Manifold Absolute Pressure Sensor	LV2A-9F479-BA
Oil Separator Asy	PB5E-6A785-AG

Turbo Charger

PB5E-9G438-AE
PB5E-9G438-BA (Alt.)

VCT Solenoid

P2GE-6B297-AC

Fuel Pump Low Pressure

ML34-9350-AA

2026 TEST VEHICLE REQUIREMENTS

	<u>Exhaust Emission Vehicle</u>	<u>Evaporative Emission Vehicle</u>
Test Group	TFMXT02.31EN	NFMXT02.31EM
Evap. Emission Family	TFMXR0140NDG	NFMXR0140NDG
Displacement Liters	2.3L	2.3L
Engine Code	TTG1N3N601	MTG1N3NB00
Fuel Tank Code	22.2 Gal.	22.2 Gal.
Exhaust Control System	TWC, HO2S, WR-HO2S, TC, CAC, DFI, SFI, EGR, EGRC, TWC+GPF	TWC, HO2S, WR-HO2S, TC, CAC, DFI, EGR EGRC
Model As tested:	Bronco Manual	Bronco Auto
Equivalent Test Weight	5500 lbs.	5500 lbs.
Curb Weight	5098 lbs.	5136 lbs.
GVWR	6140 lbs.	6120 lbs.
THP/DPA	23.8 / f0=46.98, f1=0.7686, f2=0.03731	25.7 / f0=51.84, f1=0.6755, f2=0.04816
Axle Ratio	4.70	4.70
N/V Ratio - RPM/MPH	32.2	30.2
Tires	LT285/70R17	LT315/70R17
Vehicle ID No	TG12-2.3-J-272	MG11-2.3-J-203
Configuration Number	0/1	0
Model Year	2026	2021

Vehicle Description Report

Test Group: TFMXT02.31EN

ID Number	5298262	5298260	5298274	5298245	5298248	5298251	5298261	5298271
Displacement	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Cert Code	TTG1N3ND0001	TTG1N3ND0001	TTG1N3NE0001	TTG1N3N40001	TTG1N3N60001	TTG1N3N60001	TTG1N3ND0001	TTG1N3NE0001
Fuel Tank(s)	B2	B2	B1	B1	B2	B2	B2	B1
Carline	BRONCO 4WD	BRONCO 4WD	BRONCO 4WD	BRONCO 4WD	BRONCO 4WD	BRONCO 4WD	BRONCO BADLANDS 4WD	BRONCO BADLANDS 4WD
Wheel Configuration	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Body Style	4 Door	4 Door	2 Door	2 Door	4 Door	4 Door	4 Door	2 Door
Wheelbase	116.0	116.0	100.0	100.0	116.0	116.0	116.0	100.0
Transcode Combo	ETA	ETA	ETA	GQ428N	GQ428N	GQ428N	ETA	ETA
Curb Weight	4614	4893	4369	4350	4592	4871	5139	4898
ETW	5000	5250	4750	4750	5000	5250	5500	5250
Loaded Weight LVW	4914	5193	4669	4650	4892	5171	5439	5198
ALVW-ETW	5250	5500	5000	5000	5250	5500	5500	5250
Adj. Loaded Weight	5267	5500	4955	4945	5256	5490	5649	5319
GVWR	5920	6107	5540	5540	5920	6110	6160	5740
GCWR	8500	8980	8500	8980	8980	8980	8980	8980
Min Axle Ratio	3.73	4.46	3.73	4.46	4.46	4.46	4.46	4.46
Max Axle Ratio	3.73	4.46	3.73	4.46	4.46	4.46	4.7	4.7
Min N/V Ratio	25.7	31.2	27.4	33.3	31.2	31.7	30.1	30.1
Max N/V Ratio	27.4	31.2	27.4	33.3	33.3	31.7	30.2	30.2
Emission Vehicle Class	LDT2	LDT3	LDT2	LDT2	LDT2	LDT3	LDT3	LDT2
Drive Code	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Manual	Manual	Manual	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	255/70R16 - 27.4	LT265/70R17 - 31.2	255/70R16 - 27.4	255/70R16 - 33.3	255/70R16 - 33.3	LT265/70R17 - 31.7	LT285/70R17 - 30.1	LT285/70R17 - 30.1
Max Tire Size	LT265/70R17 - 26.1	LT265/70R17 - 31.2	255/70R16 - 27.4	255/70R16 - 33.3	LT265/70R17 - 31.7	LT265/70R17 - 31.7	LT315/70R17 - 30.2	LT315/70R17 - 30.2
Alt Tire 1	255/70R18 - 25.7				255/75R17 - 31.2			
Alt Tire 2	255/75R17 - 25.7							
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2061	2209	1989	1987	2059	2207	2292	2242
DAW Empty Tank	1975	2123	1918	1916	1973	2121	2206	2171

Vehicle Description Report

Test Group: TFMXT02.31EN

ID Number	5298246	5298249	5298258	5298259	5298265	5298267	5298272	5298244
Displacement	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Cert Code	TTG1N3N50001	TTG1N3N60001	TTG1N3ND0001	TTG1N3ND0001	TTG1N3ND0001	TTG1N3ND0001	TTG1N3NE0001	TTG1N3N40001
Fuel Tank(s)	B1	B2	B2	B2	B2	B2	B1	B1
Carline	BRONCO BADLANDS 4WD	BRONCO BADLANDS 4WD	BRONCO SASQUATCH 4WD	BRONCO SASQUATCH 4WD	BRONCO SASQUATCH 4WD	BRONCO SASQUATCH 4WD	BRONCO SASQUATCH 4WD	BRONCO SASQUATCH 4WD
Wheel Configuration	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Body Style	2 Door	4 Door	4 Door	4 Door	4 Door	4 Door	2 Door	2 Door
Wheelbase	100.0	116.0	116.0	116.0	116.0	116.0	100.0	100.0
Transcode Combo	GQ428N	GQ428N	ETA	ETA	ETA	ETA	ETA	GQ428N
Curb Weight	4878	5119	4811	4872	4905	5001	4604	4584
ETW	5250	5500	5000	5250	5250	5250	5000	5000
Loaded Weight LVW	5178	5419	5111	5172	5205	5301	4904	4884
ALVW-ETW	5250	5500	5500	5500	5500	5500	5250	5250
Adj. Loaded Weight	5309	5629	5415	5446	5442	5554	5152	5142
GVWR	5740	6140	6020	6020	5980	6107	5700	5700
GCWR	8980	8980	8980	8980	8980	8980	8980	8980
Min Axle Ratio	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Max Axle Ratio	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Min N/V Ratio	30.7	30.7	30.2	30.2	30.2	30.2	30.2	30.7
Max N/V Ratio	32.2	32.2	30.2	30.2	30.2	30.2	30.2	30.7
Emission Vehicle Class	LDT2	LDT3	LDT3	LDT3	LDT2	LDT3	LDT2	LDT2
Drive Code	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive
Trans Type	Manual	Manual	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Manual
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	LT285/70R17 - 32.2	LT285/70R17 - 32.2	LT315/70R17 - 30.2	LT315/70R17 - 30.2	LT315/70R17 - 30.2	LT315/70R17 - 30.2	LT315/70R17 - 30.2	LT315/70R17 - 30.7
Max Tire Size	LT315/70R17 - 30.7	LT315/70R17 - 30.7	LT315/70R17 - 30.2	LT315/70R17 - 30.2	LT315/70R17 - 30.2	LT315/70R17 - 30.2	LT315/70R17 - 30.2	LT315/70R17 - 30.7
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2237	2290	2165	2191	2210	2251	2106	2101
DAW Empty Tank	2166	2205	2079	2105	2125	2166	2034	2029

Vehicle Description Report

Test Group: TFMXT02.31EN

ID Number	5298257	5298254	5298240	5298238
Displacement	2.3	2.3	2.3	2.3
Cert Code	TTG1N3N60001	TTG1N3N60001	TTRDN3NC0001	TTRDN3NC0001
Fuel Tank(s)	B2	B2	RP	RP
Carline	BRONCO SASQUATCH 4WD	BRONCO SASQUATCH 4WD	RANGER 2WD	RANGER 4WD
Wheel Configuration	Standard	Standard	Standard	Standard
Body Style	4 Door	4 Door	Crew Cab	Crew Cab
Wheelbase	116.0	116.0	128.7	128.7
Transcode Combo	GQ428N	GQ428N	ETA	ETA
Curb Weight	4883	4979	4304	4542
ETW	5250	5250	4500	4750
Loaded Weight LVW	5183	5279	4604	4842
ALVW-ETW	5500	5500	5250	5500
Adj. Loaded Weight	5431	5544	5177	5406
GVWR	5980	6110	6050	6270
GCWR	8980	8980	12370	12590
Min Axle Ratio	4.7	4.7	3.73	3.73
Max Axle Ratio	4.7	4.7	3.73	3.73
Min N/V Ratio	30.7	30.7	26.5	26.5
Max N/V Ratio	30.7	30.7	26.5	26.5
Emission Vehicle Class	LDT2	LDT3	LDT3	LDT3
Drive Code	Part-time 4-Wheel Drive	Part-time 4-Wheel Drive	2-Wheel Drive, Rear	Part-time 4-Wheel Drive
Trans Type	Manual	Manual	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST
Min Tire Size	LT315/70R17 - 30.7	LT315/70R17 - 30.7	255/65R18 - 26.5	255/65R18 - 26.5
Max Tire Size	LT315/70R17 - 30.7	LT315/70R17 - 30.7	LT255/70R17 - 26.5	LT255/70R17 - 26.5
Alt Tire 1			255/70R17 - 26.5	255/70R17 - 26.5
Alt Tire 2				
Alt Tire 3				
Alt Tire 4				
Alt Tire 5				
Alt Tire 6				
Alt Tire 7				
DAW Full Tank	2208	2249	1941	1979
DAW Empty Tank	2123	2164	1846	1884



SECTION 14

Request for Certification

14.00.00.00



Environmental & Safety Compliance

**Allen Park Test Laboratory
1500 Enterprise Drive, Suite 3W-200
Allen Park, Michigan 48101-2053**

January 12th, 2026

Ms. Hannah Frame
Certification Division
Mobile Source Pollution Control
U. S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, Michigan 48105

Dear Ms. Frame:

Ford Motor Company (Ford) herewith submits Part I Application for Certification for the 2026 model year light-duty (LDT) contained in Ford's 50-State (Federal/CA) test group TFMXT02.31EN and evaporative emission family TFMXR0140NDG. The test fuel used was Tier 3 E10.

The EPA Final Tier 3 certification and in-use exhaust emission standards applicable to this test group are:

Certification & In-use FTP Standards (g/mi)	Useful Life	NMOG + NO_x	CO	PM	US06 PM	HCHO
Final Tier 3 Bin 30	150K	0.030	1.0	0.003	0.006	0.004

This test group meets the SFTP NMOG+NO_x Composite Family Emission Limit (FEL) of 0.050 g/mi and CO Composite standard of 4.2 g/mi.

In addition, this test group meets the Cold CO standard of 12.5 g/mi and the NMHC Family Emission Limit (FEL) of 0.3 g/mi as part of compliance plan to meet corporate fleet average cold NMHC standards.

This test group also meets the CH₄ standard of 0.030 g/mi and the N₂O standard of 0.010 g/mi for the FTP.

The EPA Tier 3 certification and in-use evaporative emission standards applicable to this test group are:

Tier 3	Useful Life	Evaporative Family (Vehicle Type)	Hot Soak + 2-day diurnal	Hot Soak + 3-day diurnal	Running Loss	ORVR	BETP
Certification and In-Use Evaporative Standards	150K	TFMXR0140NDF	0.400 g/test	0.400 g/test	0.05 g/mile	0.20 g/gallon	0.02 grams
		TFMXR0140NDG	0.500 g/test	0.500 g/test			

The Fuel Spitback standard is 1.0 gram per test for this test group.

Based on Ford Motor Company's good engineering judgment, all the vehicles described in this Application are designed to comply with the applicable intermediate and full useful life standards, as described above.

This Part I application for certification has been prepared in accordance with the standardized format recommended by EPA via its mail out # CD-14-19 (LDV/LDT/ICI/LIMO), subject: "Certification Application Reporting Guidance", dated November 24, 2014. Therefore, in accordance with the provisions of 40 CFR

86.1844-01(d)(14) including the provisions of 40 CFR Parts 85, 86 and 600, Ford requests that a Certificate of Conformity be issued for the LDV test group listed in this Application for Certification.

Please contact Terry Cowher at 313-805-6360, if you have any questions regarding this submission.

Sincerely,

DocuSigned by:
Lawrence H. Merritt, Jr.
DF6ED4749EAC46B...

Lawrence H. Merritt, Jr.
Manager, Emissions Certification
Homologation, & Compliance



Environmental & Safety Compliance

**Allen Park Test Laboratory
1500 Enterprise Drive, Suite 3W200
Allen Park, Michigan 48101- 2053**

January 12th, 2026

Ms. Robin U. Lang
Emissions Certification and Compliance Division
Air Resources Board
4001 Iowa Avenue
Riverside, California 92507

Dear Ms. Lang:

Ford Motor Company (Ford) herewith submits Part I Application for Certification for the 2026 model year light-duty (LDT) contained in Ford's 50-State (Federal/CA) test group TFMXT02.31EN and evaporative emission family TFMXR0140NDG. The test fuel used was Tier 3 E10. This application aligns with CARB's Manufacturers Advisory Correspondence (MAC) ECCD-2025-8 alternate pathway (1) described on page 2 as follows:

(1) An approved application for CARB certification to the vehicle and engine emission regulations that immediately preceded those covered by the waivers that were targeted by the congressional resolutions.

Ford intends submittal of this certification to facilitate CARB's review in order to ensure timely certification of Ford's vehicles as may be needed in accordance with applicable requirements. Ford is reserving its rights with regard to determining what requirements apply and which requirements can be enforced by CARB.

The FTP certification and in-use standards applicable to this test group for vehicle offered in California are as follows:

Certification & In-use FTP Standards (g/mi)	Useful Life	NMOG + NO_x	CO	PM	US06 PM	HCHO
LEVIII SULEV30	150K	0.030	1.0	0.001	0.006	0.004

This test group meets the SFTP NMOG+NO_x Composite Family Emission Limit (FEL) of 0.050 g/mi and CO Composite standard of 4.2 g/mi. In addition, this test group meets the Cold CO standard of 12.5 g/mi.

The evaporative certification and in-use standards applicable to this test group are as follows:

LEV 3	Useful Life	Evaporative Family (Vehicle Type)	Hot Soak + 2-day diurnal	Hot Soak + 3-day diurnal	Running Loss	ORVR	BETP
Certification and In-Use Evaporative Standards	150K	TFMXR0140NDF	0.400 g/test	0.400 g/test	0.05 g/mile	0.20 g/gallon	0.02 grams
		TFMXR0140NDG	0.500 g/test	0.500 g/test			

The Fuel Spitback standard is 1.0 gram per test for this test group.

Based on Ford Motor Company's good engineering judgment, all the vehicles described in this Application are designed to comply with the applicable intermediate and full useful life standards, as described above

This Part I application for certification has been prepared in accordance with the standardized format recommended by EPA via its mail out # CD-14-19 (LDV/LDT/ICI/LIMO), subject: "Certification Application Reporting Guidance", dated November 24, 2014. This Application has also been prepared in accordance with the California Air Resources Board, Final Regulation Order, Amendments to Sections 1960.1, 1960.5, 1961, and 1962 Title 13, California Code of Regulations (As Amended August 4, 2005).

Therefore, in accordance with the provisions of 40 CFR 86.1844-01(d)(14) including the provisions of 40 CFR Parts 85, 86 and 600, Ford requests that an Executive Order be issued for the LDT test group listed in this Application for Certification.

Please contact Terry Cowher at 313-805-6360, if you have any questions regarding this submission.

Sincerely,

DocuSigned by:
Lawrence H. Merritt, Jr.
DF6ED4749EAC46B...

Lawrence H. Merritt, Jr.
Manager, Emissions Certification
Homologation, & Compliance

cc: R. Uyehara, M. Desai



SECTION 15

Other Information

15.00.00.00



SAP Manual Payment Request (North America)

REF NO: 306180



NAME AND ADDRESS OF PAYEE

Environmental Protection Agency-MVECP
U.S. Bank - Government Lockbox 979032
1300 Pennsylvania Ave NW - Washington DC 20004-3002

The requestor is responsible to ensure the supplier code has correct company name, remit to and/or banking information whether the payment is going by check or electronically/ACH.

Employee	Ex-Employee / Board of Director	Company Code	Separate Check	Special Handling/ Instruction Key in S4
			Y	
Supplier Code		Due Date / Baseline Date	Currency	Amount
GXHSA		ASAP	USD	230,573.00

REASON FOR DISBURSEMENT

CERTIFICATION FEES - EPA STANDARD ENGINE FAMILY, EXHAUST EMISSION CONTROL SYSTEM

Alternate Name & Address

COMMENTS (Shown on Remittance Advice/Not to include PI)

2026 MODEL YEAR CERTIFICATION FEES - (FORMS ATTACHED)

GL Account	Profit Center	Cost Center	Internal Order	Reference Key1	Reference Key2	INVOICE #	INVOICE DATE	AMOUNT (Bracket Credits)	1099 Tax Type
63044030	2000005001	1000017919				306180	7/7/2025	230,573.00	N
								-	
							TOTAL	230,573.00	

Pre-requisites for Payment :

- Requestors or Approvers to ensure the following
 - Receipt of Service
 - Price Validation
 - Supported by invoice or other documentation
- Uses of Manual Payment Requests
- Corporate Approval Authorities - Method of Payment

TYPE OF INVOICE:	MANUAL PAYMENT REQUEST -PERMISSIBLE USES (use drop down with Alt+down arrow key):	Uses of Manual Payment Requests	Not in Uses of Manual Payment Request
-------------------------	--	---------------------------------	---------------------------------------

Requestor		Operations Approval - Receipt of Service	
Preparer/Requestor	CDS ID TOLVER Date 7/7/2025	Operations Approval	CDS ID LMERRIT2 Signed by: Lawrence Merritt Date 7/7/2025 DF6ED4749EAC46B...

Approval by: Corporate Approval Authorities - Method of Payment	
Payment Item is on Uses of Manual Payment Requests CDS ID: PBLANCAS Sign: [Signature] Date: 7/7/2025	Payment Item is NOT on Uses of Manual Payment Requests CDS ID: Sign: Date:

It is important to protect personal data when retaining and forwarding this Payment Authorization Form and attachments, if any. Every effort must be made to prevent exposure.

The space below may be used for additional local requirements

306180

Terry Cowher 313-805-6360
TFMXT02.31EN

S A Fee Form

Tracking Information
Pay.gov Tracking ID: 27P046EI

Agency Tracking ID: 77074703693

[Help and EPA instructions](#)

* Required Field

General Information

Date: 06/17/2025

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

FMX

Manufacturer Name *

Ford Motor Company

Contact Name *

Tina Oliver

Contact Email Address *

toliver@ford.com

Contact Phone *

313-323-8938

Calendar Year complete application submitted
to EPA *

2025

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2025, through December 31, 2025. The applicable fee is determined by the

Calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

TFMXT02.31EN

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

- On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- On-Highway HDE Dyno Cert (Federal) (E, H)
- On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- On-Highway Motorcycle (C)
- On-Highway HDV Evap (F)
- On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- On-Highway HDE Dyno Cert (California-Only) (E, H)
- Nonroad CI (L)
- Nonroad SI (B, S)
- Locomotive (G, K)
- All Nonroad Recreational, excluding Marine engines (X, Y)
- All Marine (Including IMO) (M, N, W)
- Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only)

[Redacted]

ICI VIN Number (Required for ICIs Only)

[Redacted]

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,939.00

Payment Type *

Offline ACH

Comments

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.



SECTION 16

Confidential Information



SECTION 17

California ARB Requirements

17.00.00.00

FoMoCo

Ford Motor Company
VEHICLE EMISSION CONTROL INFORMATION

Conforms to regulations: 2026 MY

U.S. EPA: T3B30 LDT2

OBD:CA OBD II **Fuel:** Gasoline

California: SULEV30 LDT

OBD:CA OBD II **Fuel:** Gasoline

TWC/TWC+GPF/WR-HO2S/HO2S/EGR/EGR-C/CAC/TC/DFI/SFI

No adjustments needed.

2.3L-Group: TFMXT02.31EN Evap: TFMXR0140NDF

▽ TW7E-9C485- **L S E**



FoMoCo

Ford Motor Company
VEHICLE EMISSION CONTROL INFORMATION

Conforms to regulations: 2026 MY

U.S. EPA: T3B30 LDT3

OBD:CA OBD II **Fuel:** Gasoline

California: SULEV30 LDT

OBD:CA OBD II **Fuel:** Gasoline

TWC/TWC+GPF/WR-HO2S/HO2S/EGR/EGR-C/CAC/TC/DFI/SFI

No adjustments needed.

2.3L-Group: TFMXT02.31EN Evap: TFMXR0140NDG

▽ TW7E-9C485- **L T G**





SECTION 18

Revisions

18.00.00.00

APPLICATION REVISIONS

TFMXT02.31EN

<u>NO.</u>	<u>DATE</u>	<u>PAGE(S)</u>	<u>DESCRIPTION</u>
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Application for Certification

Part 2