

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

CARB USE ONLY

Invoice Name	MSF250697
Invoice Date	Jan 15, 2026

COMPANY INFORMATION

Company Name	Mercedes-Benz USA
Address	13470 International Pkwy
City	Jacksonville
State	FLORIDA
Zip	32218
Country	United States
Contact Name	Brandin Benson
Contact Telephone Number	5515797969
Contact Email	brandin.b.benson@mbusa.com
CARB Customer Number	CCAM000021

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	n/a	Model Year 2027	VMBXT00.0ED3	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
2	n/a	Model Year 2027	VMBXT00.0ED4	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
3	n/a	Model Year 2027	VMBXV00.0E10	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
4	n/a	Model Year 2027	VMBXV00.0ED1	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
5	n/a	Model Year 2027	VMBXV00.0ED2	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
6	n/a	Model Year 2027	VMBXV00.0ED3	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
7	n/a	Model Year 2027	VMBXV00.0ED4	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
8	n/a	Model Year 2027	VMBXV00.0ED5	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
9	n/a	Model Year 2027	VMBXV00.0ED8	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00

10	n/a	Model Year 2027	VMBXV00.0ED9	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
11	n/a	Model Year 2027	VMBXV04.0U3A	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
12	n/a	Model Year 2027	VMBXT02.0HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
13	n/a	Model Year 2027	VMBXV02.0HY2	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
14	n/a	Model Year 2027	VMBXV01.5HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
15	n/a	Model Year 2027	VMBXJ02.0HY3	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
16	n/a	Model Year 2027	VMBXV01.5HY2	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
17	n/a	Model Year 2027	VMBXV02.0HY4	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
18	n/a	Model Year 2027	VMBXT02.0HY2	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
19	n/a	Model Year 2027	VMBXV02.0HY7	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
20	n/a	Model Year 2027	VMBXT03.0HY2	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
21	n/a	Model Year 2027	VMBXV03.0HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
22	n/a	Model Year 2027	VMBXT03.0HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
23	n/a	Model Year 2027	VMBXJ03.0HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
24	n/a	Model Year 2027	VMBXV03.0HY2	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
25	n/a	Model Year 2027	VMBXV03.0HY3	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
26	n/a	Model Year 2027	VMBXT04.0HY2	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
27	n/a	Model Year 2027	VMBXV04.0HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
28	n/a	Model Year 2027	VMBXT04.0HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
29	n/a	Model Year 2027	VMBXV02.0HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
30	n/a	Model Year 2027	VMBXJ02.0HY1	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
31	n/a	Model Year 2027	VMBXV03.0HY4	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
32	n/a	Model Year 2027	VMBXV04.0HY5	Light-duty vehicle test group and	Base	\$ 50,309.00

				medium-duty vehicle test group		
						Total Due \$ 1,232,568.00

I, John Healey
John Healey (Jan 15, 2026 10:38:03 EST), attest that any information provided is true, accurate, and complete.
(Responsible Party Signature Here)

From: noreply@salesforce.com <noreply@salesforce.com> **On Behalf Of** California Air
Sent: Wednesday, February 11, 2026 10:47 AM
To: Healey, John (171) <john.healey@mbusa.com>
Subject: MS Fee Payment Confirmation for Invoice MSF250697

****EXTERNAL E-MAIL****

Dear Brandin Benson

Attached is documentation for your MS Fee payment for Invoice Name MSF250697. Please include a copy of this invoice and email with each application that is listed when submitting your application to the applicable MS Fee program.

1. Payment ID – 25ATD221
2. Date of Payment – 2/6/2026
3. Payment Status - Paid



Application for Certification – Part 1

Model Year 2027 Specific Sections

Model(s) Covered:	GLE 350 4MATIC
Test Group:	VMBXT02.0HY1
Test Group Description:	2.0 ltr. I-4 turbocharged with starter generator (48V)
Durability Group:	VMBXHHGNNB10
Durability Group Description:	Otto Cycle - Four Stroke - Water Cooled - Piston - Premium Gasoline - Direct Injection - Monolith - Pd / Rh TWC - Gasoline Particulate Filter (GPF)
Evaporative Family:	VMBXR0170LNF
EPA Summary Sheet No.:	CSI-VMBXT02.0HY1-VMBXR0170LNF
Applicable Standards:	Federal – Interim Tier 4 BIN 50 California - LEV III ULEV 50
OBD Group:	MRGx C
Vehicle(s) Tested Exhaust:	V167E20DETC EVO ISG2 4x4 - Z2770 V167E20DETC EVO ISG2 4x4 - Z27970
Vehicle(s) Tested EVAP:	V167E20DETC 4x4 - Z2013 W166E35DEH 4x4 - Z2913 (MY12)



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Mercedes-Benz AG

U.S. Certification

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Revision History

Issue Date / Revision Date	Affected Sections	Description of Changes
31-Jul-2026	All	Initial Version



1 Correspondence

1.01 EPA Responsible Official

Paul Skorupskas
VP, US Certification & Regulatory Affairs
Government Liaison, EPA
Phone: +1 (734) 929 8658
Email: paul.skorupskas@mercedes-benz.com

1.02 CARB Responsible Official

Tobias Schmelzle
Manager, US OBD Certification
Government Liaison, CARB
Phone: +1 (562) 243 7672
Email: tobias.t.schmelzle@mercedes-benz.com

1.03 Mailing Information

Mercedes-Benz AG
Attention: HPC 059-L404
Leibnizstrasse 2
71032 Boeblingen
Germany



2 Durability Group

2.01 Logic for Defining Durability Group

Please refer to the Common Application for Certification.



3 Evaporative/Refueling Family

3.01 Logic for Defining Evaporative/Refueling Family

Please refer to the Common Application for Certification. Results are available in Section 7 Test Results.



4 Durability Procedure

4.01 Exhaust Durability

Please refer to Section 16 Confidential Information for the test results used to establish deterioration factors. Applied DFs used can be found in Section 7 Test Results (CSI).

4.02 Evaporative/Refueling Durability

Please refer to Section 16 Confidential Information for the test results used to establish deterioration factors. Applied DFs used can be found in Section 7 Test Results (CSI).

4.03 Durability Equivalency Factors

Please refer to Section 16 Confidential Information.



5 Test Group

5.01 Test Group Description

Please refer to the Cover Page, Section 7 Test Results, and the Common Application for Certification.

Category	Group	Status
EDV/ZEV	VMBXT02.0HY1	New Testing
EVAP	VMBXR0170LNF	Carry-Over of Test Result
Durability	VMBXHHGNNB10	New Testing



6 Test Vehicle

6.01 Test Vehicle Description

Please refer to Section 7 Test Results and Section 12 Vehicles Covered by Certificate for further information.



7 Test Results

7.01 Certification Summary Information

Please refer to the attachments for the Certification Summary Information Sheet.

7.02 Supplemental Test Methods

If a test vehicle is selected for EPA Confirmatory Testing, additional information will be provided under separate cover.

7.03 Pressurized Fuel Tanks

Not applicable for this test group.

7.04 Vehicle Lubricants

Please refer to the attachments for the Certification Summary Information Sheet and/or the owner's manual.



8 Statements

8.01 Conformity

Please refer to Section 14 Request for Certificates and the Common Application for Certification.

8.02 Testing Waiver Statements

Please refer to the Common Application for Certification.



9 On-Board Diagnostic System

9.01 OBD System

Please refer to Section 14 Request for Certificates and Section 16 Confidential Information.

9.02 Fuel Tank Leak Test

Please refer to the Common Application for Certification.



10 Alternate-Fueled Vehicles

10.01 Applicability

Alternate-fueled vehicles are not part of this test group.



11 Auxiliary Emissions Control Devices

11.01 AECD Document

Please refer to Section 16 Confidential Information.



12 Vehicles Covered by Certificate

12.01 Vehicle Information & Test Parameters

Additional vehicle information can be found in Section 7 Test Results.

	Vehicle 1 (EDV)
Vehicle Identification Text:	V167E20DETC-Z2770
Actual Test Vehicle Make Text:	Mercedes-Benz
Actual Test Vehicle Model Text:	GLE 350 4MATIC
Carline Class:	Standard SUV
Evaporative Refueling Family Name:	VMBXR0170LNF
Drive Source Details 1	
Drive Source Identifier:	C
Fuel Identifier:	G
Drive Source Details 2	
Drive Source Identifier:	E
Fuel Identifier:	EL
Fuel Cell Indicator:	N
Rechargeable Energy Storage System Indicator:	Y
Rechargeable Energy Storage Device Identifier:	B
Off Board Charge Capability Indicator:	N
Test Drive Code:	A
Shift Indicator Light Usage Identifier:	1
Aged Component Usage Identifier:	4
Odometer Correction Details	
Correction Initial Value:	14
Correction Factor Value:	0.9915
Correction Sign Identifier:	-
Correction Units Code:	M
Engine Code Text:	M254-20EVO
Engine Rated Horsepower Value:	255
Engine Displacement Value:	1999
Air Aspiration Details	
Air Aspiration Method Identifier:	TS
Air Aspiration Device Count:	2
Air Aspiration Configuration Identifier:	S
Charge Air Cooler Identifier:	L
Emissions Control Device Comments Text:	
Transmission Specifications Details	
Light Duty Transmission Type Identifier:	A
Transmission Lock up Indicator:	Y
Transmission Creeper Gear Indicator:	N
Transmission Gear Count:	9
HYBRID Vehicle Indicator	Y
⁽¹⁾ Vehicle Specifications Details	
Vehicle Class (EPA):	LDT4
Vehicle Class (CARB):	LDT2



Curb Weight Value:	5115
Equivalent Test Weight Value:	5500
Gross Vehicle Weight Rating Value:	6680
Adjusted Loaded Vehicle Weight Value:	5898
Loaded Vehicle Weight Value:	5415
Vehicle Subconfigs Details	
Vehicle Configuration Number:	0
Manufacturer Vehicle Configuration Number:	0
Tire Description:	Tire 1 (worst case)
Front:	285/40 R22
Rear:	325/35 R22
Total Road Load Horsepower Value:	18.23
NV Ratio Value:	24.8
Axle Ratio Value:	3.692
Test Drive Mode:	Refer to section 16 (CBI)
Test Procedure Dynamometer Coefficients	
Target Coefficient A Value:	50.8
Target Coefficient B Value:	0.434
Target Coefficient C Value:	0.02567
Vehicle Configuration Number:	
Manufacturer Vehicle Configuration Number:	1
Tire Description:	Tire 2 (Label)
Front:	275/45 R21
Rear:	315/40 R21
Total Road Load Horsepower Value:	17.22
NV Ratio Value:	24.8
Axle Ratio Value:	3.692
Test Drive Mode:	Default
Test Procedure Dynamometer Coefficients	
Target Coefficient A Value:	46.76
Target Coefficient B Value:	0.434
Target Coefficient C Value:	0.02427

⁽¹⁾ Adjusted to current model year

Please refer to the Common Application for Certification for a comprehensive list of all available tires and road loads.

12.02 Sub-Configuration Range Values

Not applicable for this test group.



13 Sales Volume

13.01 Projected Sales Volume

Please refer to the Common Application for Certification and the CARB E-Cert.

13.02 Projected Conformity with Schedules

Please refer to materials provided with the Compliance Preview Meeting.



14 Request for Certificates

14.01 Request for EPA Certificate of Conformity

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Mercedes-Benz AG | 70546 Stuttgart

Mercedes-Benz

Mr. Daniel Cullen
Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, MI 48105
USA

Datum/Date
Model Year 2027

Request for Issuance of Certificate of Conformity

Dear Mr. Cullen,

Mercedes-Benz requests that EPA issues a Certificate of Conformity for the test group listed on the cover page of this application.

The applicable test results can be found in Section 7 of this document. Compliance statements can be found in Section 8 of the Common Application for Certification.

Production vehicles which are subject to registration or sale in all fifty states will be, in all material respects, the same as the certification test vehicles. The test group complies with all applicable regulations contained within 40 CFR Part 86 and California Health and Safety Code.

The application is current as of the date of submission.

Mit freundlichen Grüßen/Yours sincerely,

i.V. Paul Skorupskas
VP – US Certification & Regulatory Affairs



14.02 Request for CARB Executive Order

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Mercedes-Benz AG | 70546 Stuttgart

Mercedes-Benz

Mr. Seung Yeon Yang
California Air Resources Board
Emissions Certification & Compliance Division
4001 Iowa Avenue
Riverside, CA 92507
USA

Datum/Date
Model Year 2027

Request for Issuance of Executive Order

Dear Mr. Yang,

Mercedes-Benz requests that CARB issue an Executive Order for the test group listed on the cover page of this application.

The applicable test results can be found in Section 7 of this document. Compliance statements can be found in Section 8 of the Common Application for Certification.

Production vehicles which are subject to registration or sale in the State of California will be, in all material respects, the same as the certification test vehicles. The test group complies with all applicable regulations contained within 40 CFR Part 86 and California Health and Safety Code. The Vehicle Emission Control label complies with the requirements of California Code of Regulations, Title 13, Section 1965.

The application is current as of the date of submission.

Mit freundlichen Grüßen/Yours sincerely,

i.V. Paul Skorupskas
VP – US Certification & Regulatory Affairs

i.A. Tobias Schmelzle
Manager – CARB Liaison & On-Board Diagnostics



14.03 OBD Approval

Please see Section 16 Confidential Information for information regarding the OBD approval.

14.04 EPA Fee Filing Form

Please refer to the attachments for the Fee Filing Forms.

14.05 CARB Fee Filing Form

Please refer to the beginning of this document.



15 Additional Information

15.01 Hybrid System Information

Please refer to Section 7 Test Results and Section 16 Confidential Information.

15.02 Fuel-Fired Heater

There is no applicable fuel-fired heater for this test group.

15.03 Exhaust System Leaks & Repair

Please refer to the Common Application for Certification.

15.04 Battery Monitor & Durability

Not applicable for this test group.



Mercedes-Benz AG

U.S. Certification

16 Confidential Information (FOI)

(Reserved)



Attachments (FOI)

1	Certification Summary Information (FOI)
2	EPA Fee Filing Form (FOI)



Attachments (FOI)

1	Certification Summary Information (FOI)
2	EPA Fee Filing Form (FOI)
3	
4	
5	



Attachment 1: Certification Summary Information (FOI)

Certification Summary Information Report

Manufacturer	Mercedes Benz	Manufacturer Code	MBX
Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	07/30/2026 09:14:14 AM
Model Year	2027		

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
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Test Group Information

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

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Gasoline	Spark Ignition Direct fuel injection	No

Drive Source #2: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	No

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	No
Fuel Cell Indicator	No	EPA Vehicle Class	LDT4
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	VMBXHHGNNB10	Durability Group Equivalency Factor	0.7
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	VMBXT02.0HY1
Test Group OBD Compliance Level	Partial - with deficiencies and penalty	Number of Test Group OBD Deficiencies	1
OBD Deficiencies Comments	OBD Reference No.: E-26-080		
Mfr Test Group Comments	Test Group qualifies for Approach: City Litmus Threshold: 17.5 , City FE 18.4 Pass / HWY Litmus Threshold: 22.2 , HWY FE: 23.0 Pass / Sales: Federal = Nationwide (50 states); CA = CA+ 177 States		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	03/18/2026 05:53:07 AM				
Integrated ORVR?	Yes	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	HDPE				
Fill Pipe Seal Type	Liquid seal						
Air Intake System Vapor Storage Device?	No	Air Intake System Vapor Storage Device Description	--				
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	--				
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	170	Number of Primary Canisters	1				
Number of Bleed Canisters	1	Bleed Canister Total Working Capacity (grams)	4				
Mfr Evaporative/Refueling Family Comments	--						
Leak Family Details							
Leak Family Indicator	Yes						
Canister Bleed Test Indicator	Yes	Applicability of Evaporative Canister Bleed Test	50 State				
Evaporative Canister Bleed Test Comments	Bleed canister integrated in primary canister; cert result: 0.017 g/test; FMBX10048076						
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				
VMBXR0170LNF-LNF	50 State	0.02	--				
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Mercedes Benz	1 - Mercedes-Benz	415 - GLE 350 4MATIC	California + CAA Section 177 states	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	415 - GLE 350 4MATIC	Federal	All Wheel Drive	Automatic	9	Yes
Engine Description							
Hybrid Type	IC Engine/Electric Motor			Hybrid Description	--		
Engine Type	4-Stroke Spark Ignition			Mfr Engine Description	--		
Engine Block Arrangement	Inline			Mfr Engine Block Arrangement Description	--		
Camless Valvetrain Indicator	No			Oil Viscosity/Classification	5W40		
Number of Cylinders/Rotors	4			Mechanically Variable Compression Ratio Indicator	N		

Certification Summary Information Report

Test Group	VMBXT02.0HY1				Evaporative/Refueling Family				VMBXR0170LNF		
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		no coating		Ceramic		Monolith			
Mfr After Treatment Device (ATD) Comments		ATD3 = GPF (Gasoline particulate filter)									
Direct Ozone Reduction (DOR) Device		Not Equipped									
Mfr Emission Control Device Comments		--									
Engine Configuration Number 1											
Engine Displacement (liters)		2.0				Engine Rated Horsepower		255			
Number of Inlet Valves Per Cylinder		2				Number of Exhaust Valves Per Cylinder		2			
Air Aspiration Method		Turbocharged+Supercharged				Number of Air Aspiration Devices		2			
Air Aspiration Device Configuration		Series				Charge Air Cooler Type		Liquid			
Air Aspiration Drive Method(s)		Electric									
Cylinder Deactivation		No									
Cylinder Deactivation Description		--									
Variable Valve Timing		Yes									
Variable Valve Timing System Description		Allows timing if intake and exhaust valves to be changed while engine is in operation									
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 oxygen				Air/Fuel Sensor # 1 Description		--			
Air/Fuel Sensor # 2 Type		Heated oxygen				Air/Fuel Sensor # 2 Description		--			
Mfr Air/Fuel Sensor Comments		--									
Exhaust Gas Recirculation		Yes				Cooled Exhaust Gas Recirculation		No			
EGR Type		Variable Valve Timing Control				Exhaust Gas Recirculation Description if 'Other'		--			
Closed Loop Air Injection System		No									
Air Injection Type		--				Air Injection Type if 'Other'		--			
Mfr Engine Configuration Comments		GLE 350 4MATIC: 255 HP / E:22 HP									
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
Electricity		VMBX91006846	VMBX10094132	VMBX10094037	VMBX10094135	VMBX91006845	--	--	--	--	--
Gasoline		VMBX91006846	VMBX10094132	VMBX10094037	VMBX10094135	VMBX91006845	37.9	17.5	22.3	22.3	--

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
SFTP LEV-III Official Test Numbers			
Test Group Fuel	FTP	US06	SC03
Gasoline	VMBX91006846	VMBX10094132	VMBX10094037
Electricity	VMBX91006846	VMBX10094132	VMBX10094037
Official Charge Depleting Test Numbers			
Test Group Fuel	UDDS	Highway	
Gasoline	--	--	
Hybrid Electric Vehicle And Fuel Cell Information			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	44	Battery Energy Capacity	19
Battery Specific Energy	59	Battery Charger Type	On-Board
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	No
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	1		
Motor/Generator Type 1	permanent synchronous motor	Rated Motor/Generator Power	17
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	--		

Certification Summary Information Report

Test Group	VMBXT02.0HY1		Evaporative/Refueling Family	VMBXR0170LNF						
Emission Data Vehicle Information										
Vehicle ID / Configuration	V167E20DETC-Z2013 / 0		Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	LMBXT02.0U3A		Original Evaporative/Refueling Family	LMBXR0170LNF						
Original Test Vehicle Model Year	2020									
Vehicle Model										
Represented Test Vehicle Make	Mercedes-Benz		Represented Test Vehicle Model	GLE 350 4MATIC						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
	<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </table>		Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel								
1	Combustion Engine	Gasoline								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	No						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	--									
Off-board charge Capable Indicator	No									
Odometer Correction -- Initial	341		Odometer Correction Factor	0.98						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor									
Odometer Correction Units	Miles									
Engine Code	M264-20DETC		Rated Horsepower	255						
Displacement (liters)	1.991									
Air Aspiration Method	Turbocharged		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1		Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	N/A		Drive Mode While Testing	2-Wheel Drive, Rear						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4853		Equivalent Test Weight (pounds)	5250						
GVWR (lbs)	6217		N/V Ratio	26.4						
Axle Ratio	3.69									
Transmission Type	Automatic		# of Transmission Gears	9						
Transmission Lockup	Yes		Creep Gear	No						
Dynamometer Coefficients:										
	Target Coefficients			Set Coefficients						
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
City/Highway/Evap	61.59	0.3617	0.02613	19.3						
Emission Control Device Comments	--									

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF									
Manufacturer Test Vehicle Comments	325/35 R22											
Test #	LMBX10063090	Test Procedure	23 - 2-day evap									
Exhaust Test # for this Evap Test	LMBX10063088	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)									
Test Date	08/30/2019	Fuel	N/A									
Fuel Batch ID	D20R03	Fuel Calibration Number	1									
Vehicle Class	N/A	DF Type	Mfr. Determined									
Verify Test Lab ID	Mercedesstrasse 137											
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)											
Test Start Odometer Reading	5732	Odometer Units	M									
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--									
State of Charge Delta	No											
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No									
Test Results												
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.3055</td> <td>--</td> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.3299</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL (Total Hydrocarbon)	0.3055	--	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.3299	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)										
HC-TOTAL (Total Hydrocarbon)	0.3055	--										
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.3299	--										
Manufacturer Test Comments	MY2020 (C118) 2Day EVAP Test Result. Hot Soak: 0.0395 g HC-Total/0.0427 g HC-Total-EQUIV											

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF									
Test #	LMBX10063292	Test Procedure	34 - Federal fuel 3-day evap									
Exhaust Test # for this Evap Test	LMBX10063289	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)									
Test Date	01/15/2020	Fuel	N/A									
Fuel Batch ID	D20R06	Fuel Calibration Number	1									
Vehicle Class	N/A	DF Type	Mfr. Determined									
Verify Test Lab ID	Mercedesstrasse 137											
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)											
Test Start Odometer Reading	6008	Odometer Units	M									
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--									
State of Charge Delta	No											
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No									
Test Results												
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.3042</td> <td>--</td> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.3285</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL (Total Hydrocarbon)	0.3042	--	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.3285	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)										
HC-TOTAL (Total Hydrocarbon)	0.3042	--										
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.3285	--										
Manufacturer Test Comments	MY2020 (V167) 3Day EVAP Test Result. Hot Soak: 0.070 g HC-Total/0.0756 g HC-Total-EQUIV											

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF						
Test #	LMBX10063089	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	LMBX10063087	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	08/28/2019	Fuel	N/A						
Fuel Batch ID	D20R03	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Mercedesstrasse 137								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	5715	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	No								
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>OMHCE (Organic material Hydrocarbon Equivalent)</td> <td>0.013</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	OMHCE (Organic material Hydrocarbon Equivalent)	0.013	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
OMHCE (Organic material Hydrocarbon Equivalent)	0.013	--							
Manufacturer Test Comments	MY2020 (V167) ORVR Test Result (OMHCE result). Tier 3 E10 fuel								

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF						
Test #	LMBX10063290	Test Procedure	32 - Federal Fuel Running Loss						
Exhaust Test # for this Evap Test	LMBX10063289	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	01/09/2020	Fuel	N/A						
Fuel Batch ID	D20R06	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Mercedesstrasse 137								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	5956	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	No								
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0000186</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0000186	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0000186	--							
Manufacturer Test Comments	MY2020 (V167) Running Loss Test. Correction of test result from 0.0186 MILLIGRAMS THCe/mi into 0.0000186 GRAMS THCe/mi, Oct 24th 2024								

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
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Emission Data Vehicle Information

Vehicle ID / Configuration	V167E20DETC-Z2770 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	VMBXT02.0HY1	Original Evaporative/Refueling Family	VMBXR0170LNF
Original Test Vehicle Model Year	2027		

Vehicle Model

Represented Test Vehicle Make	Mercedes-Benz	Represented Test Vehicle Model	GLE 350 4MATIC
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Leak Family Details

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

Drive Source and Fuel#	Drive Source	Fuel
1	Combustion Engine	Gasoline
2	Electric Motor	Electricity

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	No		
Odometer Correction -- Initial	14	Odometer Correction Factor	0.9915
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	M254-20EVO	Rated Horsepower	255
Displacement (liters)	1.999		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Series
Charge Air Cooler Type	Liquid	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	5115	Equivalent Test Weight (pounds)	5500
GVWR (lbs)	6680	N/V Ratio	24.8
Axle Ratio	3.69		
Transmission Type	Automatic	# of Transmission Gears	9
Transmission Lockup	Yes	Creep Gear	No

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Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test #	VMBX10094135	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)
Test Date	04/23/2026	Fuel	Gasoline
Fuel Batch ID	U27C01	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	3953 Research Park Drive		
E10 Evaporative Test Measurement Method	--	Odometer Units	M
Test Start Odometer Reading	5181	Diesel Adjustment Factor Usage	--
4WD Test Dyno	Yes		
State of Charge Delta	Yes		
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	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	11.007	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.578	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	530.5055	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.8584	--	
FE BAG 1 (Bag 1 Fuel Economy)	16.1832	16.1832	
CH4 BAG 1 (Bag 1 Methane)	0.0143	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0915	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-4.0889	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.84	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	460.7406	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.0154	--	
FE BAG 2 (Bag 2 Fuel Economy)	18.6902	18.6902	
CH4 BAG 2 (Bag 2 Methane)	0.0007	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	-7.1144	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.589	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	394.2392	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.2335	--	
FE BAG 3 (Bag 3 Fuel Economy)	21.8236	21.8236	
CH4 BAG 3 (Bag 3 Methane)	0.0015	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	-27.0419	--	
METHANE (CH4 - Methane)	0.0037	--	
CO (Carbon Monoxide)	0.2503	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.451	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.348	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.664	--	
MFR FE (Manufacturer Fuel Economy)	18.83	18.83	
NOX (Nitrogen Oxide)	0.0166	--	
N2O (Nitrous Oxide)	0.002	--	
HC-NM (Non-methane Hydrocarbon)	0.0172	--	

Certification Summary Information Report

Test Group		VMBXT02.0HY1			Evaporative/Refueling Family				VMBXR0170LNF				
		NMOG (Non-methane organic gases)		0.0189		--							
		PM (Particulate Matter)		0		--							
		HC-TOTAL (Total Hydrocarbon)		0.0201		--							
		WATT-HRS (Watt Hours)		-38.477		--							
		Test Result Name		Unrounded Test Result		Verify Calculated CREE/OPT-CREE							
		Carbon-Related Exhaust Emissions		457		--							
		Test Result Name		Unrounded Test Result		Verify Calculated CO2							
		Carbon dioxide		456.8955		--							
Manufacturer Test Comments		325/35 R22											
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 50	CO	0.25	--	--	--	0	--	0.2	12.5	Pass	
Fed	120,000 miles	Federal Tier 3 Bin 50	HC-NM	0.0172	--	--	--	0	--	0.017	0.100	Pass	
CA	50,000 miles	California LEV-III ULEV50	CO	0.25	--	--	--	0	--	0.2	12.5	Pass	

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test #	VMBX91006822	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	06/05/2026	Fuel	N/A
Fuel Batch ID	29351	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5535	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
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	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	14.9136456	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.59728	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	379.4738684	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.6162034	--	
FE BAG 1 (Bag 1 Fuel Economy)	23.4178154	--	
CH4 BAG 1 (Bag 1 Methane)	0.0062879	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.041118	--	
HC-TOTAL BAG 1 (Bag 1 Total Hydrocarbon)	0.045682	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-3.8856	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.8666332	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	345.0507083	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.1180852	--	
FE BAG 2 (Bag 2 Fuel Economy)	25.8154846	--	
CH4 BAG 2 (Bag 2 Methane)	0.0010092	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0000031	--	
HC-TOTAL BAG 2 (Bag 2 Total Hydrocarbon)	0.0009894	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	-35.465	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.5978701	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	321.6737475	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.1184935	--	
FE BAG 3 (Bag 3 Fuel Economy)	27.6903565	--	
CH4 BAG 3 (Bag 3 Methane)	0.0013314	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
HC-TOTAL BAG 3 (Bag 3 Total Hydrocarbon)	0.0012061	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	2.864	--	
ACT-DISTANCE BAG 4 (Bag 4 Actual Distance)	3.8518631	--	
CO2 BAG 4 (Bag 4 Carbon Dioxide)	339.4150914	--	
CO BAG 4 (Bag 4 Carbon Monoxide)	0.1312298	--	
FE BAG 4 (Bag 4 Fuel Economy)	26.2423168	--	
CH4 BAG 4 (Bag 4 Methane)	0.000718	--	
NMOG BAG 4 (Bag 4 Non-methane organic gases)	0.0001699	--	

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF					
	HC-TOTAL BAG 4 (Bag 4 Total Hydrocarbon)	0.000865	--					
	WATT-HRS BAG 4 (Bag 4 Watt Hours)	-31.451	--					
	METHANE (CH4 - Methane)	0.002106	--					
	CO (Carbon Monoxide)	0.2253021	--					
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.1909367	--					
	DT-EER (Drive Trace Energy Economy Rating)	-0.8391928	--					
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.8034481	--					
	MFR FE (Manufacturer Fuel Economy)	25.8727641	--					
	NOX (Nitrogen Oxide)	0.011862	--					
	N2O (Nitrous Oxide)	0.0016851	--					
	HC-NM (Non-methane Hydrocarbon)	0.0082424	--					
	NMOG (Non-methane organic gases)	0.0085721	--					
	HC-TOTAL (Total Hydrocarbon)	0.0102746	--					
	WATT-HRS (Watt Hours)	-67.9376	--					
<table><tr><td>Test Result Name</td><td>Unrounded Test Result</td><td>Verify Calculated CREE/OPT-CREE</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>9999.9999999</td><td>341</td></tr></table>			Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	9999.9999999	341
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE						
Carbon-Related Exhaust Emissions	9999.9999999	341						
<table><tr><td>Test Result Name</td><td>Unrounded Test Result</td><td>Verify Calculated CO2</td></tr><tr><td>Carbon dioxide</td><td>344.0884172</td><td>--</td></tr></table>			Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	344.0884172	--
Test Result Name	Unrounded Test Result	Verify Calculated CO2						
Carbon dioxide	344.0884172	--						
Manufacturer Test Comments	--							

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test #	VMBX91006846	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	07/02/2026	Fuel	Gasoline
Fuel Batch ID	29858	Fuel Calibration Number	2
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5585	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
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	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	14.9423355	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.5991249	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	420.0233343	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.7026231	--	
FE BAG 1 (Bag 1 Fuel Economy)	999	--	
CH4 BAG 1 (Bag 1 Methane)	0.0087258	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0593441	--	
HC-TOTAL BAG 1 (Bag 1 Total Hydrocarbon)	0.0624171	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-18.507	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.8759793	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	386.223087	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.0043993	--	
FE BAG 2 (Bag 2 Fuel Economy)	999	--	
CH4 BAG 2 (Bag 2 Methane)	0.0007024	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	
HC-TOTAL BAG 2 (Bag 2 Total Hydrocarbon)	0.0005685	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	-21.817	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.59978	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	351.6900731	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.2003133	--	
FE BAG 3 (Bag 3 Fuel Economy)	999	--	
CH4 BAG 3 (Bag 3 Methane)	0.0014514	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
HC-TOTAL BAG 3 (Bag 3 Total Hydrocarbon)	0.0011668	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	-17.94	--	
ACT-DISTANCE BAG 4 (Bag 4 Actual Distance)	3.8674516	--	
CO2 BAG 4 (Bag 4 Carbon Dioxide)	387.8220185	--	
CO BAG 4 (Bag 4 Carbon Monoxide)	0.0182302	--	
FE BAG 4 (Bag 4 Fuel Economy)	999	--	
CH4 BAG 4 (Bag 4 Methane)	0.000738	--	
NMOG BAG 4 (Bag 4 Non-methane organic gases)	0	--	

Manufacturer Test Comments Unrounded Result for the following test results were modified by Verify: FE BAG 4, FE BAG 1, MFR FE, FE BAG 2, FE BAG 3

Certification Summary Information Report

Test Group		VMBXT02.0HY1			Evaporative/Refueling Family					VMBXR0170LNF		
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	120,000 miles	Federal Tier 3 Bin 50	CREE	384	--	--	--	0.0061	--	384	--	--
Fed	120,000 miles	Federal Tier 3 Bin 50	METHANE	0.0026	--	--	--	0.001	--	0.004	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 50	N2O	0.0024	--	--	--	0	--	0.002	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	CO	0.21	--	--	--	0	--	0.2	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	CO-COMP	0.21	--	--	--	--	--	0.2	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0123	--	--	--	0.0015	--	0.014	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0282	--	--	--	--	--	0.036	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX-COMP	0.0227	--	--	--	--	--	0.023	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0159	--	--	--	0.0063	--	0.022	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	PM	0.0000	--	--	--	0	--	0.000	0.003	Pass
CA	120,000 miles	California LEV-III ULEV50	CREE	384	--	--	--	0.0061	--	384	--	--
CA	120,000 miles	California LEV-III ULEV50	METHANE	0.0026	--	--	--	0.001	--	0.004	0.030	Pass
CA	120,000 miles	California LEV-III ULEV50	N2O	0.0024	--	--	--	0	--	0.002	0.010	Pass
CA	150,000 miles	California LEV-III ULEV50	CO	0.21	--	--	--	0	--	0.2	1.7	Pass
CA	150,000 miles	California LEV-III ULEV50	CO-COMP	0.21	--	--	--	--	--	0.2	4.2	Pass
CA	150,000 miles	California LEV-III ULEV50	NMOG	0.0123	--	1.1	--	0.0015	--	0.014	99.999	Pass
CA	150,000 miles	California LEV-III ULEV50	NMOG+NOX	0.0282	--	--	--	--	--	0.036	0.050	Pass
CA	150,000 miles	California LEV-III ULEV50	NMOG+NOX-COMP	0.0227	--	--	--	--	--	0.023	0.030	Pass
CA	150,000 miles	California LEV-III ULEV50	NOX	0.0159	--	--	--	0.0063	--	0.022	99.999	Pass
CA	150,000 miles	California LEV-III ULEV50	PM	0.00000	--	--	--	0	--	0.0000	0.0010	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	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test #	VMBX91006829	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	06/05/2026	Fuel	Gasoline
Fuel Batch ID	29351	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5550	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
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)	
ACT-DISTANCE (Actual Distance Driven (miles))	10.2444909	--	
METHANE (CH4 - Methane)	0.0025677	--	
CO (Carbon Monoxide)	0	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.6786969	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.652	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.5367548	--	
MFR FE (Manufacturer Fuel Economy)	34.5609462	--	
NOX (Nitrogen Oxide)	0.003257	--	
N2O (Nitrous Oxide)	0.0001396	--	
HC-NM (Non-methane Hydrocarbon)	0.0054021	--	
NMOG (Non-methane organic gases)	0.0056182	--	
HC-TOTAL (Total Hydrocarbon)	0.0079116	--	
WATT-HRS (Watt Hours)	-16.805	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	9999.9999999	257	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	257.8533283	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VMBXT02.0HY1				Evaporative/Refueling Family				VMBXR0170LNF		
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	120,000 miles	Federal Tier 3 Bin 50	CREE	257	--	--	--	0.0061	--	257	--	--
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0056	--	--	--	0.0015	--	0.007	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0089	--	--	--	--	--	0.017	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0033	--	--	--	0.0063	--	0.010	99.999	Pass
CA	120,000 miles	California LEV-III ULEV50	CREE	257	--	--	--	0.0061	--	257	--	--
CA	150,000 miles	California LEV-III ULEV50	NMOG	0.0056	--	1.03	--	0.0015	--	0.007	99.999	Pass
CA	150,000 miles	California LEV-III ULEV50	NMOG+NOX	0.0089	--	--	--	--	--	0.017	0.050	Pass
CA	150,000 miles	California LEV-III ULEV50	NOX	0.0033	--	--	--	0.0063	--	0.010	99.999	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	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test #	VMBX91006845	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	07/02/2026	Fuel	Gasoline
Fuel Batch ID	29858	Fuel Calibration Number	2
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5600	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
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)	
ACT-DISTANCE (Actual Distance Driven (miles))	10.2437906	--	
METHANE (CH4 - Methane)	0.0006763	--	
CO (Carbon Monoxide)	0	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.147947	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.2737673	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.8059466	--	
MFR FE (Manufacturer Fuel Economy)	32.4937393	--	
NOX (Nitrogen Oxide)	0.0033432	--	
HC-NM (Non-methane Hydrocarbon)	0.0004414	--	
NMOG (Non-methane organic gases)	0.0004547	--	
HC-TOTAL (Total Hydrocarbon)	0.0011025	--	
WATT-HRS (Watt Hours)	-22.565	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	9999.9999999	268	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	267.748573	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VMBXT02.0HY1			Evaporative/Refueling Family					VMBXR0170LNF		
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	120,000 miles	Federal Tier 3 Bin 50	CREE	268	--	--	--	0.0061	--	268	--	--
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0005	--	--	--	0.0015	--	0.002	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0038	--	--	--	--	--	0.012	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0033	--	--	--	0.0063	--	0.010	99.999	Pass
CA	120,000 miles	California LEV-III ULEV50	CREE	268	--	--	--	0.0061	--	268	--	--
CA	150,000 miles	California LEV-III ULEV50	NMOG	0.0005	--	1.03	--	0.0015	--	0.002	99.999	Pass
CA	150,000 miles	California LEV-III ULEV50	NMOG+NOX	0.0038	--	--	--	--	--	0.012	0.050	Pass
CA	150,000 miles	California LEV-III ULEV50	NOX	0.0033	--	--	--	0.0063	--	0.010	99.999	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	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test #	VMBX10094132	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/02/2026	Fuel	Gasoline
Fuel Batch ID	U26R14	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	3953 Research Park Drive		
E10 Evaporative Test Measurement Method	--	Odometer Units	M
Test Start Odometer Reading	4938	Diesel Adjustment Factor Usage	--
4WD Test Dyno	Yes		
State of Charge Delta	Yes		
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	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	8.012	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	1.777	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	615.5692402	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.0972243	--	
FE BAG 1 (Bag 1 Fuel Economy)	14.1246367	14.1246367	
CH4 BAG 1 (Bag 1 Methane)	0.004688	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0040637	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-98.2748	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	6.235	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	346.3721584	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.1473996	--	
FE BAG 2 (Bag 2 Fuel Economy)	25.0919574	25.0919574	
CH4 BAG 2 (Bag 2 Methane)	0.0017432	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0015424	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	67.343	--	
METHANE (CH4 - Methane)	0.0023964	--	
CO (Carbon Monoxide)	0.1362706	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.2749	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.1804	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.7686	--	
MFR FE (Manufacturer Fuel Economy)	21.405449	21.405449	
NOX (Nitrogen Oxide)	0.0072066	--	
N2O (Nitrous Oxide)	0	--	
HC-NM (Non-methane Hydrocarbon)	0.0020404	--	
NMOG (Non-methane organic gases)	0.0021016	--	
PM (Particulate Matter)	0.0003124	--	
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	0.0092471	--	
HC-TOTAL (Total Hydrocarbon)	0.0042325	--	
WATT-HRS (Watt Hours)	-28.8275	--	

Certification Summary Information Report

Test Group				VMBXT02.0HY1				Evaporative/Refueling Family				VMBXR0170LNF			
				Test Result Name		Unrounded Test Result			Verify Calculated CO2						
				Carbon dioxide		406.0809083			--						
Manufacturer Test Comments				325/35 R22											
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 50	PM	0.0003	--	--	--	0	--	0.000	0.006	Pass		
CA		150,000 miles	California LEV-III ULEV50	PM	0.0003	--	--	--	0	--	0.000	0.006	Pass		

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Test #	VMBX10094037	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/15/2026	Fuel	N/A
Fuel Batch ID	U26R14	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	3953 Research Park Drive		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5101	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
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)
ACT-DISTANCE (Actual Distance Driven (miles))	3.572	--
METHANE (CH4 - Methane)	0.0012648	--
CO (Carbon Monoxide)	0.2508829	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.0036	--
DT-EER (Drive Trace Energy Economy Rating)	0.5213	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.4488	--
MFR FE (Manufacturer Fuel Economy)	20.8838616	20.8838616
NOX (Nitrogen Oxide)	0.006229	--
N2O (Nitrous Oxide)	0.0000057	--
HC-NM (Non-methane Hydrocarbon)	0.0003369	--
NMOG (Non-methane organic gases)	0.000347	--
PM (Particulate Matter)	0.000141	--
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	0.0065658	--
HC-TOTAL (Total Hydrocarbon)	0.0014937	--
WATT-HRS (Watt Hours)	5.9927	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	416.0569122	--

Manufacturer Test Comments

325/35 R22

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Fuel Properties			
Fuel Batch ID	D20R06	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	07/18/2019
Fuel Batch Calibration Effective Date	12/17/2019	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	0.753
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17308
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.82	Weight Fraction CO2	--
Fuel Batch ID	D20R03	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	08/20/2018
Fuel Batch Calibration Effective Date	08/28/2019	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	0.752
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17867
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.83	Weight Fraction CO2	--
Fuel Batch ID	29858	Fuel Calibration Number	2
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	07/12/2025
Fuel Batch Calibration Effective Date	07/12/2025	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	0.748
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17835
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.377	Fuel Carbon Mass Fraction (E10)	0.829
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	29351	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	05/03/2023
Fuel Batch Calibration Effective Date	05/03/2023	Fuel Batch Calibration Ineffective Date	--

Certification Summary Information Report

Test Group	VMBXT02.0HY1	Evaporative/Refueling Family	VMBXR0170LNF
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18439
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.867	Weight Fraction CO2	--
Fuel Batch ID	U27C01	Fuel Calibration Number	1
Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)	Fuel Batch Calibration Date	04/13/2026
Fuel Batch Calibration Effective Date	04/20/2026	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	0.745
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.2	Fuel Carbon Mass Fraction (E10)	0.817
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	U26R14	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	03/02/2026
Fuel Batch Calibration Effective Date	03/30/2026	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	0.75
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.77	Fuel Carbon Mass Fraction (E10)	0.829
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VMBXT02.0HY1			Evaporative/Refueling Family			VMBXR0170LNF	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-III ULEV50	
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
120,000 miles	CREE	--	--	--	--	--	--	0.0061	999
120,000 miles	METHANE	--	--	--	--	--	--	0.001	0.030
120,000 miles	N2O	--	--	--	--	--	--	0	0.010
150,000 miles	CO	--	--	--	--	--	--	0	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.1	--	--	--	0.0015	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.050
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0063	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.0010
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-III ULEV50	
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
120,000 miles	CREE	--	--	--	--	--	--	0.0061	999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0015	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0063	99.999

Certification Summary Information Report

Test Group		VMBXT02.0HY1			Evaporative/Refueling Family			VMBXR0170LNF	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
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
120,000 miles	CREE	--	--	--	--	--	--	0.0061	999
120,000 miles	METHANE	--	--	--	--	--	--	0.001	0.030
120,000 miles	N2O	--	--	--	--	--	--	0	0.010
150,000 miles	CO	--	--	--	--	--	--	0	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	--	--	--	--	0.0015	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.050
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0063	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.003

Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
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
120,000 miles	CREE	--	--	--	--	--	--	0.0061	999
150,000 miles	NMOG	--	--	--	--	--	--	0.0015	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0063	99.999

Certification Summary Information Report

Test Group		VMBXT02.0HY1			Evaporative/Refueling Family			VMBXR0170LNF	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
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	--	--	--	--	--	--	0	12.5
120,000 miles	HC-NM	--	--	--	--	--	--	0	0.100
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-III ULEV50	
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	--	--	--	--	--	--	0	12.5
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-III ULEV50	
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	0.006
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-III ULEV50	
Fuel		Gasoline			Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.030

Certification Summary Information Report

Test Group		VMBXT02.0HY1		Evaporative/Refueling Family			VMBXR0170LNF		
Cert Region		Federal		Cert/In-Use Code			Both		
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)		Standard Level			Federal Tier 3 Bin 50		
Fuel		Gasoline		Test Procedure			US06		
						Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC				Mult DF	Add DF
150,000 miles	PM	--	--	--		--	--	--	0

Evaporative/Refueling Standards

Evaporative/Refueling Family		VMBXR0170LNF		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	--	0.450	--		

Evaporative/Refueling Family		VMBXR0170LNF		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 refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.2	--		

Evaporative/Refueling Family		VMBXR0170LNF		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	--		0.2	--	

Evaporative/Refueling Family		VMBXR0170LNF		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	HC-TOTAL-EQUIV	--	0.450	--		

Certification Summary Information Report

Test Group		VMBXT02.0HY1		Evaporative/Refueling Family		VMBXR0170LNF	
Evaporative/Refueling Family		VMBXR0170LNF		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	--		
Evaporative/Refueling Family		VMBXR0170LNF		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	HC-TOTAL-EQUIV	--	0.05	--		
Evaporative/Refueling Family		VMBXR0170LNF		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-EQUIV	--	0.02	--		
Evaporative/Refueling Family		VMBXR0170LNF		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.02	--		
Evaporative/Refueling Family		VMBXR0170LNF		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.450	--		

Certification Summary Information Report

Test Group		VMBXT02.0HY1		Evaporative/Refueling Family		VMBXR0170LNF					
Evaporative/Refueling Family		VMBXR0170LNF		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		--		0.450		--	

Certification Summary Information Report

Test Group		VMBXT02.0HY1		Evaporative/Refueling Family		VMBXR0170LNF	
Glossary							
Useful Life							
4	4,000 miles			120		120,000 miles	
50	50,000 miles			150		150,000 miles	
100	100,000 miles						
Emission Name							
HC-TOTAL	Total Hydrocarbon			COMB-CREE		Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide			COMB-OPT-CREE		Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide			HC-TOTAL-EQUIV		Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions			METHANE-COMB		Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions			N2O-COMB		Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide			LEAK-DIA		Effective Leak Diameter (inches)	
PM	Particulate Matter			LEAK-GAS CAP		Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter			CO2-COMB		Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon			KW-HRS		Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent			CH4 BAG 1		Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent			CH4 BAG 2		Bag 2 Methane	
NMOG	Non-methane organic gases			CH4 BAG 3		Bag 3 Methane	
HCHO	Formaldehyde			CH4 BAG 4		Bag 4 Methane	
H3C2HO	Acetaldehyde			CO BAG 1		Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03			CO BAG 2		Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides			CO BAG 3		Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide			CO BAG 4		Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol			NMOG BAG 1		Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy			NMOG BAG 2		Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy			NMOG BAG 3		Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy			NMOG BAG 4		Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy			ACT-DISTANCE BAG 1		Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy			ACT-DISTANCE BAG 2		Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR			ACT-DISTANCE BAG 3		Bag 3 Actual Distance	
METHANE	CH4 - Methane			ACT-DISTANCE BAG 4		Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol			HC-TOTAL BAG 1		Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide			HC-TOTAL BAG 2		Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams			HC-TOTAL BAG 3		Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours			HC-TOTAL BAG 4		Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours			WATT-HRS BAG 1		Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours			WATT-HRS BAG 2		Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VMBXT02.0HY1	Evaporative/Refueling Family		VMBXR0170LNF
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VMBXT02.0HY1	Evaporative/Refueling Family		VMBXR0170LNF
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VMBXT02.0HY1		Evaporative/Refueling Family		VMBXR0170LNF	
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		



Mercedes-Benz AG

U.S. Certification

Attachment 2: EPA Fee Filing Form (FOI)

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 01/14/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

MBX

Manufacturer Name *

Mercedes-Benz USA

Contact Name *

Brandin Benson

Contact Email Address *

brandin.b.benson@mbusa.com

Contact Phone *

5515797969

Calendar Year complete application submitted
to EPA *

2026

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2026, through December 31, 2026. 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 *

VMBXT02.0HY1

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)

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,317.00

Payment Type *

Offline Wire

Comments

EPA Form Number 3520-29

OMB Control No.2060-0545

Approval expires 7/31/2027

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