

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 medium-duty vehicle test group	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:	AMG GLE 53 HYBRID 4MATIC+ GLE 500 e 4MATIC plug-in hybrid AMG GLE 53 HYBRID 4MATIC+ (coupe)
Test Group:	VMBXT03.0HY2
Test Group Description:	3.0 ltr. I-6 turbocharged with 135 kW electric motor (PHEV)
Durability Group:	VMBXHHGNNB19
Durability Group Description:	Otto Cycle - FourStroke - Water Cooled - Piston - Premium Gasoline - Direct Injection -Monolith - Pd / Rh TWC - Gasoline Particulate Filter (GPF)
Evaporative Family:	VMBXR0165LNP
EPA Summary Sheet No.:	CSI-VMBXT03.0HY2-VMBXR0165LNP
Applicable Standards:	Federal – Interim Tier 4 BIN 30 California - LEV III SULEV 30
OBD Group:	MRG HYB B
Vehicle(s) Tested Exhaust:	V167E30DETC EVO P2-135 PB490 4x4 AMG - Z2710 V167E30DETC EVO P2-135 PB490 4x4 AMG - Z27910
Vehicle(s) Tested EVAP:	V167E20DETC P2-100 4x4 - Z2407 V167E20DETC P2-100 4x4 - Z24907



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Revision History

Issue Date / Revision Date	Affected Sections	Description of Changes
11-Jun-2026	All	Initial Version
13-Jul-2026	CSI Attachment	Adjusted PM standard / Litmus results



1 Correspondence

1.01 EPA Contact

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

1.02 CARB Contact

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-H5 11
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	VMBXT03.0HY2	New Testing
EVAP	VMBXR0165LNP	Carry-Over of Test Result
Durability	VMBXHHGNNB19	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

Please refer to Section 16 Confidential Information.

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 2 (FEDV)
Vehicle Identification Text:	V167E30DETC-Z2710	V167E30DETC-Z2717
Actual Test Vehicle Make Text:	Mercedes-Benz	Mercedes-Benz
Actual Test Vehicle Model Text:	AMG GLE 53 HYBRID 4MATIC+	GLE 500 e 4MATIC plug-in hybrid
Carline Class:	Standard SUV 4WD	Standard SUV 4WD
Evaporative Refueling Family Name:	VMBXR0165LNP	VMBXR0165LNP
Drive Source Details 1		
Drive Source Identifier:	C	C
Fuel Identifier:	G	G
Drive Source Details 2		
Drive Source Identifier:	E	E
Fuel Identifier:	EL	EL
Fuel Cell Indicator:	N	N
Rechargeable Energy Storage System Indicator:	Y	Y
Rechargeable Energy Storage Device Identifier:	B	B
Off Board Charge Capability Indicator:	N	N
Test Drive Code:	A	A
Shift Indicator Light Usage Identifier:	1	1
Aged Component Usage Identifier:	4	4
Odometer Correction Details		
Correction Initial Value:	24	24
Correction Factor Value:	0.9889	0.9889
Correction Sign Identifier:	-	-
Correction Units Code:	M	M
Engine Code Text:	M256-30EVO-P2	M256-30EVO-P2
Engine Rated Horsepower Value:	443	322
Engine Displacement Value:	2998	2998
Air Aspiration Details		
Air Aspiration Method Identifier:	TC	TC
Air Aspiration Device Count:	1	1
Air Aspiration Configuration Identifier:	S	S
Charge Air Cooler Identifier:	L	L
Emissions Control Device Comments Text:		
Transmission Specifications Details		
Light Duty Transmission Type Identifier:	A	A
Transmission Lock up Indicator:	Y	Y
Transmission Creeper Gear Indicator:	N	N
Transmission Gear Count:	9	9
HYBRID Vehicle Indicator	Y	Y
⁽¹⁾ Vehicle Specifications Details		
Vehicle Class (EPA):	LDT4	LDT4



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Vehicle Class (CARB):	LDT2	LDT2
Curb Weight Value:	6318	6214
Equivalent Test Weight Value:	6500	6500
Gross Vehicle Weight Rating Value:	7452	7452
Adjusted Loaded Vehicle Weight Value:	6885	6833
Loaded Vehicle Weight Value:	6618	6514
Vehicle Subconfigs Details		
Vehicle Configuration Number:	0	
Manufacturer Vehicle Configuration Number:	0	
Tire Description:	Tire 1 (worst case)	Tire 1 (worst case)
Front:	285/40 R22	275/45 R21
Rear:	325/35 R22	315/40 R21
Total Road Load Horsepower Value:	20.69	19.63
NV Ratio Value:	23.2	23.2
Axle Ratio Value:	3.461	3.461
Test Drive Mode (cycle based):	Refer to section 16 (CBI)	Default
Test Procedure Dynamometer Coefficients		
Target Coefficient A Value:	62.72	56.65
Target Coefficient B Value:	0.434	0.434
Target Coefficient C Value:	0.02828	0.02753
Vehicle Configuration Number:	1	0
Manufacturer Vehicle Configuration Number:	1	0
Tire Description:	Tire 2 (Label)	Tire 2 (Label)
Front:	275/45 R21	275/50 R20
Rear:	315/40 R21	275/50 R20
Total Road Load Horsepower Value:	19.51	18.36
NV Ratio Value:	23.2	23.2
Axle Ratio Value:	3.461	3.461
Test Drive Mode:	Default	Default
Test Procedure Dynamometer Coefficients		
Target Coefficient A Value:	55.30	49.9
Target Coefficient B Value:	0.4340	0.434
Target Coefficient C Value:	0.02770	0.02642

⁽¹⁾ Adjusted to current model year

	Vehicle 3 (FEDV)	
Vehicle Identification Text:	C167E30DETC-Z2710-1	
Actual Test Vehicle Make Text:	Mercedes-Benz	
Actual Test Vehicle Model Text:	AMG GLE 53 HYBRID 4MATIC+ (coupe)	
Carline Class:	Standard SUV 4WD	
Evaporative Refueling Family Name:	VMBXR0165LNP	
Drive Source Details 1		
Drive Source Identifier:	C	
Fuel Identifier:	G	
Drive Source Details 2		
Drive Source Identifier:	E	
Fuel Identifier:	EL	



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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:	24	
Correction Factor Value:	0.9889	
Correction Sign Identifier:	-	
Correction Units Code:	M	
Engine Code Text:	M256-30EVO-P2	
Engine Rated Horsepower Value:	443	
Engine Displacement Value:	2998	
Air Aspiration Details		
Air Aspiration Method Identifier:	TC	
Air Aspiration Device Count:	1	
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):		
Curb Weight Value:	6177	
Equivalent Test Weight Value:	6500	
Gross Vehicle Weight Rating Value:	7275	
Adjusted Loaded Vehicle Weight Value:	6726	
Loaded Vehicle Weight Value:	6477	
Vehicle Subconfigs Details		
Vehicle Configuration Number:	0	
Manufacturer Vehicle Configuration Number:	0	
Tire Description:	Tire 1 (label)	
Front:	285/40 R22	
Rear:	325/35 R22	
Total Road Load Horsepower Value:	19.56	
NV Ratio Value:	23.3	
Axle Ratio Value:	3.461	
Test Drive Mode (cycle based):	Default	
Test Procedure Dynamometer Coefficients		
Target Coefficient A Value:	60.47	
Target Coefficient B Value:	0.4340	
Target Coefficient C Value:	0.02578	



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

Please refer to Section 16 Confidential Information.



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

Please refer to Section 16 Confidential Information.



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16 Confidential Information (FOI)

(Reserved)



Attachments (FOI)

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



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Attachment 1: Certification Summary Information (FOI)

Certification Summary Information Report

Manufacturer	Mercedes Benz	Manufacturer Code	MBX
Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	07/13/2026 07:33:02 AM
Model Year	2027		

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
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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	--	--

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
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	--
Durability Group Name	VMBXHHGNNB19	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	06/19/2026	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	VMBXT03.0HY2
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	1
OBD Deficiencies Comments	OBD Approval: E-26-079		
Mfr Test Group Comments	Interim Tier 4 Test Group, Federal = Nationwide (50 states) / CA = CA + 177 States / Test Group qualifies for specific 5-Cycle approach: City Litmus Threshold: 17.8 mpg , City FE 17.4 mpg FAIL / HWY Litmus Threshold: 21.1 mpg , HWY FE: 22.6 mpg PASS		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	04/01/2026 03:58:09 AM				
Integrated ORVR?	No	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Metal	Fuel Tank Material Description	Steel				
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	0	Bleed Canister Total Working Capacity (grams)	--				
Mfr Evaporative/Refueling Family Comments	PHEV w/ pressurized steel fuel tank / NIRCOS / X254E20DETC P2-115 4x4 will use Fuel System Vapor Storage Canister(s) Total Working Capacity = 158 grams						
Leak Family Details							
Leak Family Indicator	Yes						
Canister Bleed Test Indicator	No	Applicability of Evaporative Canister Bleed Test	--				
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				
VMBXR0165LNP-LNP	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	407 - GLE 500 e 4MATIC plug-in hybrid	Federal	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	407 - GLE 500 e 4MATIC plug-in hybrid	California + CAA Section 177 states	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	431 - AMG GLE 53 4MATIC+	California + CAA Section 177 states	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	431 - AMG GLE 53 4MATIC+	Federal	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	432 - AMG GLE 53 4MATIC+ (coupe)	Federal	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	432 - AMG GLE 53 4MATIC+ (coupe)	California + CAA Section 177 states	All Wheel Drive	Automatic	9	Yes

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP	
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	0W-40	
Number of Cylinders/Rotors	6	Mechanically Variable Compression Ratio Indicator	N	
After Treatment Device(s) (ATD)				
ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
3	Other	no coating	Ceramic	Monolith
Mfr After Treatment Device (ATD) Comments				
ATD 1: TWC, ATD 2/3: TWC/GPF				
Direct Ozone Reduction (DOR) Device				
Not Equipped				
Mfr Emission Control Device Comments				
--				
Engine Configuration Number 1				
Engine Displacement (liters)	3.0	Engine Rated Horsepower	443	
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	Liquid	
Air Aspiration Drive Method(s)	Mechanical			
Cylinder Deactivation	No			
Cylinder Deactivation Description	--			
Variable Valve Timing	Yes			
Variable Valve Timing System Description	Allows timing of the intake / exhaust valves to be changed while the engine is in operation			
Variable Valve Lift?	No			
Variable Valve Lift System Description	--			
Number of Knock Sensors	3	Number of Air/Fuel Sensors	3	
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--	
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--	
Air/Fuel Sensor # 3 Type	Heated oxygen	Air/Fuel Sensor # 3 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	Not Applicable	Air Injection Type if 'Other'	--	
Mfr Engine Configuration Comments	M256-30EVO-P2/ 6-Cylinder Inline Engine Plug-In Hybrid / AMG GLE 53 HYBRID 4MATIC+ (PHEV), AMG GLE 53 HYBRID 4MATIC+ (coupe) (PHEV) / COMBUSTION: 443 HP and 413 LB-FT / ELECTRIC : 181 HP and 354 LB-FT			

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP								
Engine Configuration Number 2											
Engine Displacement (liters)	3.0	Engine Rated Horsepower	322								
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	Liquid								
Air Aspiration Drive Method(s)	Mechanical										
Cylinder Deactivation	No										
Cylinder Deactivation Description	--										
Variable Valve Timing	Yes										
Variable Valve Timing System Description	Allows timing of the intake / exhaust valves to be changed while the engine is in operation										
Variable Valve Lift?	No										
Variable Valve Lift System Description	--										
Number of Knock Sensors	3	Number of Air/Fuel Sensors	3								
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--								
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--								
Air/Fuel Sensor # 3 Type	Heated oxygen	Air/Fuel Sensor # 3 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	Not Applicable	Air Injection Type if 'Other'	--								
Mfr Engine Configuration Comments	M256-30EVO-P2/ 6-Cylinder Inline Engine Plug-In Hybrid / GLE 500 e 4MATIC plug-in hybrid / COMBUSTION: 322 HP and 398 LB-FT / ELECTRIC : 181 HP and 354 LB-FT										
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	VMBX10094235	VMBX10094234	VMBX10094233	VMBX10094232	VMBX10094236	18.3	17.4	21.9	21.1	--	
Electricity	VMBX10094235	VMBX10094234	VMBX10094233	VMBX10094232	VMBX10094236	--	--	--	--	--	
SFTP LEV-III Official Test Numbers											
Test Group	Fuel	FTP	US06	SC03							
Electricity	VMBX10094235	VMBX10094234	VMBX10094233	VMBX10094227							
Gasoline	VMBX10094230	VMBX10094228	VMBX10094227	VMBX10094227							
Electricity	VMBX10094230	VMBX10094228	VMBX10094227	VMBX10094227							
Gasoline	VMBX10094235	VMBX10094234	VMBX10094233	VMBX10094233							

Certification Summary Information Report

Test Group		VMBXT03.0HY2	Evaporative/Refueling Family		VMBXR0165LNP
Official Charge Depleting Test Numbers					
Test Group Fuel		UDDS		Highway	
Electricity		VMBX10094239		VMBX10094246	
Gasoline		VMBX10094239		VMBX10094246	
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	
Total Voltage of Battery Packs		397		Battery Energy Capacity	
Battery Specific Energy		107.3		Battery Charger Type	
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	
Mfr Regenerative Braking Description		--			
Drive Motor(s)/Generator(s)		1			
Motor/Generator Type 1		permanent magnet synchronous		Rated Motor/Generator Power	
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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
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Emission Data Vehicle Information

Vehicle ID / Configuration	V167E20DETC-Z2407 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	RMBXT02.0HY2	Original Evaporative/Refueling Family	RMBXR0170LNP
Original Test Vehicle Model Year	2024		

Vehicle Model

Represented Test Vehicle Make	Mercedes-Benz	Represented Test Vehicle Model	GLE 450 e 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	Yes		
Odometer Correction -- Initial	69	Odometer Correction Factor	0.9845
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	M254-20DETC-P2	Rated Horsepower	248
Displacement (liters)	1.999		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Liquid	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	5919	Equivalent Test Weight (pounds)	6000
GVWR (lbs)	7099	N/V Ratio	23.3
Axle Ratio	3.46		
Transmission Type	Automatic	# of Transmission Gears	9
Transmission Lockup	Yes	Creeper Gear	No

Certification Summary Information Report

Test Group	VMBXT03.0HY2			Evaporative/Refueling Family			VMBXR0165LNP	
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	61.37	0.094	0.02532	12.27	-0.0862	0.025316	17.2	
US06	61.37	0.094	0.02532	12.27	-0.0862	0.025316	N/A	
Emission Control Device Comments	--							
Manufacturer Test Vehicle Comments	275/50 R20 - EDV EVAP Plug-In Hybrid							
Test #	RMBX10080041			Test Procedure			23 - 2-day evap	
Exhaust Test # for this Evap Test	RMBX10080038			Test Fuel Type			49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	
Test Date	03/24/2023			Fuel			Gasoline	
Fuel Batch ID	U24R03			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	Calculated (1.08 x FID Total Hydrocarbons)							
Test Start Odometer Reading	3845			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			No	
Test Results								
Test Result Name			Unrounded Test Result		Verify Calculated FE Equivalent Value (miles per gallon)			
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)			0.3795		--			
Manufacturer Test Comments MY2024 (GLE 450 M254 P2-100 PHEV), NIRCOS, Hot Soak: 0.027 g HC-Total-EQUIV								
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	0.3795	0	0.380	0.475	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.3795	0	0.380	0.475	Pass

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	RMBX10080586	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	RMBX10080585	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	05/05/2023	Fuel	Gasoline
Fuel Batch ID	U24R04	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	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4140	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	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.4146	--

Manufacturer Test CommentsMY2024 (GLE 450 M256 P2-100 PHEV), NIRCOS, Hot Soak: 0.0821 g HC-Total-EQUIV, Highest 24 hrs result: 0.3325 g HC-Total-EQUIV

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	0.4146	0	0.415	0.475	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.4146	0	0.415	0.475	Pass

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP						
Test #	RMBX10080042	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	RMBX10080040	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	04/13/2023	Fuel	Gasoline						
Fuel Batch ID	U24R03	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	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4048	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	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>OMHCE (Organic material Hydrocarbon Equivalent)</td> <td>0.0062</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	OMHCE (Organic material Hydrocarbon Equivalent)	0.0062	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
OMHCE (Organic material Hydrocarbon Equivalent)	0.0062	--							
Manufacturer Test Comments									
Alternative ORVR Test Procedure for PHEV w/ non-integrated fuel system (NIRCOS)									
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	OMHCE	0.006	0.012	0.02	0.20	Pass	
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.006	0.012	0.02	0.20	Pass	

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	RMBX10080587	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	RMBX10080585	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	05/05/2023	Fuel	Gasoline
Fuel Batch ID	U24R04	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	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4140	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	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.00139	--

Manufacturer Test CommentsMY2024 (GLE 450 M254 P2-100 PHEV) Running Loss Test, Tier 3 E10 fuel 0.00129 g/mi HC

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	0.001	0	0.00	0.05	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.001	0	0.00	0.05	Pass

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
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Emission Data Vehicle Information

Vehicle ID / Configuration	V167E30DETC-Z2710 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	VMBXT03.0HY2	Original Evaporative/Refueling Family	VMBXR0165LNP
Original Test Vehicle Model Year	2027		

Vehicle Model

Represented Test Vehicle Make	Mercedes-Benz	Represented Test Vehicle Model	AMG GLE 53 HYBRID 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	Yes		
Odometer Correction -- Initial	24	Odometer Correction Factor	0.9889
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	M256-30EVO-P2	Rated Horsepower	443
Displacement (liters)	2.998		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Liquid	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	6318	Equivalent Test Weight (pounds)	6500
GVWR (lbs)	7452	N/V Ratio	23.2
Axle Ratio	3.46		
Transmission Type	Automatic	# of Transmission Gears	9
Transmission Lockup	Yes	Creeper Gear	No

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family		VMBXR0165LNP	
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	62.72	0.434	0.02828	0.52	0.18749	0.026411	20.7	
Cold CO	68.99	0.4774	0.03111	-13.082	-0.0491	0.030184	N/A	
US06	62.72	0.434	0.02828	0.52	0.18749	0.026411	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		325/35 R22						

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094229	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)
Test Date	04/10/2026	Fuel	Gasoline
Fuel Batch ID	U27C02	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	5664	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	11.063	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.596	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	1055.3508115	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	1.7213295	--	
FE BAG 1 (Bag 1 Fuel Economy)	8.22	8.22	
CH4 BAG 1 (Bag 1 Methane)	0.0114464	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0545052	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-1562.5153	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.875	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	698.2791804	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.1560341	--	
FE BAG 2 (Bag 2 Fuel Economy)	12.4515989	12.4515989	
CH4 BAG 2 (Bag 2 Methane)	0.00062	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	-430.5527	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.592	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	574.1514372	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.3255688	--	
FE BAG 3 (Bag 3 Fuel Economy)	15.1353831	15.1353831	
CH4 BAG 3 (Bag 3 Methane)	0.0006529	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	-287.7153	--	
METHANE (CH4 - Methane)	0.0028698	--	
CO (Carbon Monoxide)	0.5264937	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.35	--	
DT-EER (Drive Trace Energy Economy Rating)	0.39	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.58	--	
MFR FE (Manufacturer Fuel Economy)	11.7694097	11.7694097	
NOX (Nitrogen Oxide)	0.0060055	--	
N2O (Nitrous Oxide)	0.0005678	--	
HC-NM (Non-methane Hydrocarbon)	0.0108472	--	

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family				VMBXR0165LNP			
		NMOG (Non-methane organic gases)		0.011281		--						
		PM (Particulate Matter)		9999.9999999		--						
		HC-TOTAL (Total Hydrocarbon)		0.01304		--						
		WATT-HRS (Watt Hours)		-2280.783		--						
		Test Result Name		Unrounded Test Result		Verify Calculated CREE/OPT-CREE						
		Carbon-Related Exhaust Emissions		999		--						
		Test Result Name		Unrounded Test Result		Verify Calculated CO2						
		Carbon dioxide		738.1460267		--						
Manufacturer Test Comments		Drive Mode SPORT+ 3S OFF, Charge Increasing Operation										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 30	CO	0.53	--	--	--	0	--	0.5	12.5	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.0108	--	--	--	0.001	--	0.012	0.200	Pass
CA	50,000 miles	California LEV-III SULEV30	CO	0.53	--	--	--	0	--	0.5	12.5	Pass

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094230	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	03/19/2026	Fuel	Gasoline
Fuel Batch ID	U26R13	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	--		
Test Start Odometer Reading	5488	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	14.953	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.6004517	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	1001.2745272	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.8049285	--	
FE BAG 1 (Bag 1 Fuel Economy)	8.7028593	8.7028593	
CH4 BAG 1 (Bag 1 Methane)	0.0136306	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0428142	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-2466.6836878	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.8736963	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	640.791112	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.1293233	--	
FE BAG 2 (Bag 2 Fuel Economy)	13.6136501	13.6136501	
CH4 BAG 2 (Bag 2 Methane)	0.0004307	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0007697	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	-518.5112641	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.6049026	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	534.6865538	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.1851624	--	
FE BAG 3 (Bag 3 Fuel Economy)	16.3115195	16.3115195	
CH4 BAG 3 (Bag 3 Methane)	0.0008138	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	-389.5431145	--	
ACT-DISTANCE BAG 4 (Bag 4 Actual Distance)	3.8744414	--	
CO2 BAG 4 (Bag 4 Carbon Dioxide)	599.2127101	--	
CO BAG 4 (Bag 4 Carbon Monoxide)	0.0285374	--	
FE BAG 4 (Bag 4 Fuel Economy)	14.5617929	14.5617929	
CH4 BAG 4 (Bag 4 Methane)	0.000245	--	
NMOG BAG 4 (Bag 4 Non-methane organic gases)	0.001088	--	
WATT-HRS BAG 4 (Bag 4 Watt Hours)	-295.9125589	--	
METHANE (CH4 - Methane)	0.0032153	--	
CO (Carbon Monoxide)	0.2548493	--	

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.0507	--
	DT-EER (Drive Trace Energy Economy Rating)	-0.3867	--
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.3372	--
	MFR FE (Manufacturer Fuel Economy)	12.9380451	12.9380451
	NOX (Nitrogen Oxide)	0.004906	--
	N2O (Nitrous Oxide)	0.0003658	--
	HC-NM (Non-methane Hydrocarbon)	0.0084903	--
	NMOG (Non-methane organic gases)	0.0093332	--
	PM (Particulate Matter)	0.0005518	--
	HC-TOTAL (Total Hydrocarbon)	0.0113428	--
	WATT-HRS (Watt Hours)	-3670.6506	--
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	999	674	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	674.0345842	--	
Manufacturer Test Comments	Drive Mode Sport+ 3S OFF, Charge Increasing Operations		

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family					VMBXR0165LNP		
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 30	CREE	674	--	--	--	--	1.48	998	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0032	--	--	--	0.0002	--	0.003	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0004	--	--	--	0.0001	--	0.000	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.25	--	--	--	0	--	0.2	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.64	--	--	--	--	--	0.6	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0093	--	1.10	--	0.0014	--	0.011	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0142	--	--	--	--	--	0.020	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0195	--	--	--	--	--	0.020	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0049	--	--	--	0.0043	--	0.009	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0006	--	--	--	0	--	0.001	0.003	Pass
CA	120,000 miles	California LEV-III SULEV30	CREE	674	--	--	--	--	1.48	998	--	--
CA	120,000 miles	California LEV-III SULEV30	METHANE	0.0032	--	--	--	0.0002	--	0.003	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.25	--	--	--	0	--	0.2	1.0	Pass
CA	150,000 miles	California LEV-III SULEV30	CO-COMP	0.64	--	--	--	--	--	0.6	4.2	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0093	--	1.10	--	0.0014	--	0.011	99.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0142	--	--	--	--	--	0.020	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX-COMP	0.0195	--	--	--	--	--	0.020	0.050	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0049	--	--	--	0.0043	--	0.009	99.999	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0006	--	--	--	0	--	0.001	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094232	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)
Test Date	05/08/2026	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	--		
Test Start Odometer Reading	6006	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	11.055	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.5904555	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	691.1160346	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	1.4155234	--	
FE BAG 1 (Bag 1 Fuel Economy)	12.4172702	12.4172702	
CH4 BAG 1 (Bag 1 Methane)	0.0179318	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0498388	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	361.2975773	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.8637965	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	385.3416982	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.3927142	--	
FE BAG 2 (Bag 2 Fuel Economy)	22.3125261	22.3125261	
CH4 BAG 2 (Bag 2 Methane)	0.0010758	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0001118	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	630.1827867	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.6010349	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	596.8759486	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.6173013	--	
FE BAG 3 (Bag 3 Fuel Economy)	14.4042799	14.4042799	
CH4 BAG 3 (Bag 3 Methane)	0.0042479	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.001927	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	-666.0103042	--	
METHANE (CH4 - Methane)	0.0054392	--	
CO (Carbon Monoxide)	0.6663084	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.7647445	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.8031189	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.3733225	--	
MFR FE (Manufacturer Fuel Economy)	16.9546493	16.9546493	
NOX (Nitrogen Oxide)	0.0071217	--	
N2O (Nitrous Oxide)	0.0004746	--	
HC-NM (Non-methane Hydrocarbon)	0.0104906	--	

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family				VMBXR0165LNP				
		NMOG (Non-methane organic gases)		0.0109102		--							
		PM (Particulate Matter)		9999.9999999		--							
		HC-TOTAL (Total Hydrocarbon)		0.0155068		--							
		WATT-HRS (Watt Hours)		325.4701		--							
		Test Result Name		Unrounded Test Result		Verify Calculated CREE/OPT-CREE							
		Carbon-Related Exhaust Emissions		999		--							
		Test Result Name		Unrounded Test Result		Verify Calculated CO2							
		Carbon dioxide		506.8374245		--							
Manufacturer Test Comments		Drive Mode Default, Charge sustaining operation											
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail	
Fed	50,000 miles	Federal Tier 3 Bin 30	CO	0.67	--	--	--	0	--	0.7	12.5	Pass	
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.0105	--	--	--	0.001	--	0.012	0.200	Pass	
CA	50,000 miles	California LEV-III SULEV30	CO	0.67	--	--	--	0	--	0.7	12.5	Pass	

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094235	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	03/06/2026	Fuel	Gasoline
Fuel Batch ID	U26R13	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	--		
Test Start Odometer Reading	5030	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	14.902	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.5872456	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	609.2932036	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.697784	--	
FE BAG 1 (Bag 1 Fuel Economy)	14.294795	14.294795	
CH4 BAG 1 (Bag 1 Methane)	0.0053418	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0169756	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-750.439	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.8586974	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	234.9824588	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.185782	--	
FE BAG 2 (Bag 2 Fuel Economy)	37.088461	37.088461	
CH4 BAG 2 (Bag 2 Methane)	0.0014414	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0018744	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	700.439235	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.5942692	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	427.7893657	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.3268422	--	
FE BAG 3 (Bag 3 Fuel Economy)	20.3737305	20.3737305	
CH4 BAG 3 (Bag 3 Methane)	0.0031261	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0001816	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	-409.1087875	--	
ACT-DISTANCE BAG 4 (Bag 4 Actual Distance)	3.8621946	--	
CO2 BAG 4 (Bag 4 Carbon Dioxide)	301.8698147	--	
CO BAG 4 (Bag 4 Carbon Monoxide)	0.180506	--	
FE BAG 4 (Bag 4 Fuel Economy)	28.8799197	28.8799197	
CH4 BAG 4 (Bag 4 Methane)	0.0011513	--	
NMOG BAG 4 (Bag 4 Non-methane organic gases)	0.0006746	--	
WATT-HRS BAG 4 (Bag 4 Watt Hours)	259.3201968	--	
METHANE (CH4 - Methane)	0.0026266	--	
CO (Carbon Monoxide)	0.3290492	--	

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.1422	--
	DT-EER (Drive Trace Energy Economy Rating)	-0.5336	--
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.2564	--
	MFR FE (Manufacturer Fuel Economy)	22.6196199	22.6196199
	NOX (Nitrogen Oxide)	0.0028047	--
	N2O (Nitrous Oxide)	0.0001327	--
	HC-NM (Non-methane Hydrocarbon)	0.0040225	--
	NMOG (Non-methane organic gases)	0.0044219	--
	PM (Particulate Matter)	0.0001642	--
	HC-TOTAL (Total Hydrocarbon)	0.006425	--
	WATT-HRS (Watt Hours)	-199.7884	--
Test Result Name		Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions		999	386
Test Result Name		Unrounded Test Result	Verify Calculated CO2
Carbon dioxide		385.2487138	--
Manufacturer Test Comments Drive mode Default, Charge sustaining operation			

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family					VMBXR0165LNP		
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 30	CREE	386	--	--	--	--	1.48	571	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0026	--	--	--	0.0002	--	0.003	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0001	--	--	--	0.0001	--	0.000	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.33	--	--	--	0	--	0.3	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.28	--	--	--	--	--	0.3	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0044	--	1.10	--	0.0014	--	0.006	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0072	--	--	--	--	--	0.013	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0120	--	--	--	--	--	0.012	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0028	--	--	--	0.0043	--	0.007	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0002	--	--	--	0	--	0.000	0.003	Pass
CA	120,000 miles	California LEV-III SULEV30	CREE	386	--	--	--	--	1.48	571	--	--
CA	120,000 miles	California LEV-III SULEV30	METHANE	0.0026	--	--	--	0.0002	--	0.003	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.33	--	--	--	0	--	0.3	1.0	Pass
CA	150,000 miles	California LEV-III SULEV30	CO-COMP	0.28	--	--	--	--	--	0.3	4.2	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0044	--	1.10	--	0.0014	--	0.006	99.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0072	--	--	--	--	--	0.013	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX-COMP	0.0120	--	--	--	--	--	0.012	0.050	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0028	--	--	--	0.0043	--	0.007	99.999	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0002	--	--	--	0	--	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094237	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	05/14/2026	Fuel	Gasoline
Fuel Batch ID	U26I05	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	--		
Test Start Odometer Reading	6080	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	14.885	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.591	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	553.4771102	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.7329682	--	
FE BAG 1 (Bag 1 Fuel Economy)	15.8024589	15.8024589	
CH4 BAG 1 (Bag 1 Methane)	0.0044619	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0225887	--	
HC-TOTAL BAG 1 (Bag 1 Total Hydrocarbon)	0.0258348	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-575.08531	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.851	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	290.8804076	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.2372087	--	
FE BAG 2 (Bag 2 Fuel Economy)	30.0962024	30.0962024	
CH4 BAG 2 (Bag 2 Methane)	0.001776	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0001425	--	
HC-TOTAL BAG 2 (Bag 2 Total Hydrocarbon)	0.0017749	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	356.1633	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.589	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	430.5822335	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.2950885	--	
FE BAG 3 (Bag 3 Fuel Economy)	20.3357424	20.3357424	
CH4 BAG 3 (Bag 3 Methane)	0.0024325	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
HC-TOTAL BAG 3 (Bag 3 Total Hydrocarbon)	0.0022338	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	-328.8591	--	
ACT-DISTANCE BAG 4 (Bag 4 Actual Distance)	3.854	--	
CO2 BAG 4 (Bag 4 Carbon Dioxide)	280.3019642	--	
CO BAG 4 (Bag 4 Carbon Monoxide)	0.2686477	--	
FE BAG 4 (Bag 4 Fuel Economy)	31.2252956	31.2252956	
CH4 BAG 4 (Bag 4 Methane)	0.001303	--	
NMOG BAG 4 (Bag 4 Non-methane organic gases)	0	--	

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	HC-TOTAL BAG 4 (Bag 4 Total Hydrocarbon)	0.0008985	--
	WATT-HRS BAG 4 (Bag 4 Watt Hours)	307.1184	--
	METHANE (CH4 - Methane)	0.0023742	--
	CO (Carbon Monoxide)	0.3652638	--
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.0649	--
	DT-EER (Drive Trace Energy Economy Rating)	-0.3488	--
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.5032	--
	MFR FE (Manufacturer Fuel Economy)	22.9929365	22.9929365
	NOX (Nitrogen Oxide)	0.0029766	--
	N2O (Nitrous Oxide)	0.0002233	--
	HC-NM (Non-methane Hydrocarbon)	0.0045372	--
	NMOG (Non-methane organic gases)	0.0047187	--
	HC-TOTAL (Total Hydrocarbon)	0.0066346	--
	WATT-HRS (Watt Hours)	-240.663	--

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family					VMBXR0165LNP		
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 30	CREE	382	--	--	--	--	1.48	565	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0024	--	--	--	0.0002	--	0.003	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0002	--	--	--	0.0001	--	0.000	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.37	--	--	--	0	--	0.4	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0047	--	1.10	--	0.0014	--	0.006	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0077	--	--	--	--	--	0.013	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0030	--	--	--	0.0043	--	0.007	99.999	Pass
CA	120,000 miles	California LEV-III SULEV30	CREE	382	--	--	--	--	1.48	565	--	--
CA	120,000 miles	California LEV-III SULEV30	METHANE	0.0024	--	--	--	0.0002	--	0.003	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.37	--	--	--	0	--	0.4	1.0	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0047	--	1.10	--	0.0014	--	0.006	99.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0077	--	--	--	--	--	0.013	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0030	--	--	--	0.0043	--	0.007	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094231	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	04/07/2026	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	--		
Test Start Odometer Reading	5566	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))	10.2574804	--
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	10.2574804	--
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-1304.0017	--
METHANE (CH4 - Methane)	0.0003447	--
CO (Carbon Monoxide)	0.0731608	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	6.213	--
DT-EER (Drive Trace Energy Economy Rating)	0.2963	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	7.8315	--
MFR FE (Manufacturer Fuel Economy)	20.7567455	20.7567455
NOX (Nitrogen Oxide)	0.0004168	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0000995	--
NMOG (Non-methane organic gases)	0.0001025	--
PM (Particulate Matter)	0.0000174	--
HC-TOTAL (Total Hydrocarbon)	0.0004148	--
WATT-HRS (Watt Hours)	-1304.0017	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	999	419

Certification Summary Information Report

Test Group		VMBXT03.0HY2				Evaporative/Refueling Family				VMBXR0165LNP		
		Test Result Name		Unrounded Test Result		Verify Calculated CO2						
		Carbon dioxide		418.889878		--						
Manufacturer Test Comments		Drive Mode: Sport+, Charge Increasing Operation										
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 30	CREE	419	--	--	--	--	1.48	620	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0001	--	1.03	--	0.0014	--	0.002	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0005	--	--	--	--	--	0.006	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0004	--	--	--	0.0043	--	0.005	99.999	Pass
CA	120,000 miles	California LEV-III SULEV30	CREE	419	--	--	--	--	1.48	620	--	--
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0001	--	1.03	--	0.0014	--	0.002	99.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0005	--	--	--	--	--	0.006	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0004	--	--	--	0.0043	--	0.005	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094236	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	03/06/2026	Fuel	Gasoline
Fuel Batch ID	U26R13	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	5045	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			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	10.269	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	10.269	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-3.0103	--	
METHANE (CH4 - Methane)	0.0003269	--	
CO (Carbon Monoxide)	0.0777901	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	5.9762	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.418	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	7.8048	--	
MFR FE (Manufacturer Fuel Economy)	30.7844815	30.7844815	
NOX (Nitrogen Oxide)	0.0003297	--	
N2O (Nitrous Oxide)	0	--	
HC-NM (Non-methane Hydrocarbon)	0	--	
NMOG (Non-methane organic gases)	0	--	
PM (Particulate Matter)	0.0000074	--	
HC-TOTAL (Total Hydrocarbon)	0.0002947	--	
WATT-HRS (Watt Hours)	-3.0103	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	999	283	

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family				VMBXR0165LNP			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		283.3416727			--					
Manufacturer Test Comments		Drive Mode: Default, Charge sustaining operation										
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 30	CREE	283	--	--	--	--	1.48	419	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	--	1.03	--	0.0014	--	0.001	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0003	--	--	--	--	--	0.006	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0003	--	--	--	0.0043	--	0.005	99.999	Pass
CA	120,000 miles	California LEV-III SULEV30	CREE	283	--	--	--	--	1.48	419	--	--
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0000	--	1.03	--	0.0014	--	0.001	99.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0003	--	--	--	--	--	0.006	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0003	--	--	--	0.0043	--	0.005	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094238	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/11/2026	Fuel	Gasoline
Fuel Batch ID	U26104	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	--		
Test Start Odometer Reading	5180	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))	10.256	--
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	10.256	--
WATT-HRS BAG 1 (Bag 1 Watt Hours)	3.6272992	--
METHANE (CH4 - Methane)	0.0003779	--
CO (Carbon Monoxide)	0.1037981	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	4.8469	--
DT-EER (Drive Trace Energy Economy Rating)	-0.1732	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	6.023	--
MFR FE (Manufacturer Fuel Economy)	31.3422163	31.3422163
NOX (Nitrogen Oxide)	0.0008364	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.0003298	--
WATT-HRS (Watt Hours)	3.6272992	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	279.7693799	280

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family				VMBXR0165LNP			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		279.6052776			--					
Manufacturer Test Comments		Drive mode default, GHG E0 charge sustaining operation										
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 30	CREE	280	--	--	--	--	1.48	414	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	--	1.03	--	0.0014	--	0.001	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0008	--	--	--	--	--	0.006	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0008	--	--	--	0.0043	--	0.005	99.999	Pass
CA	120,000 miles	California LEV-III SULEV30	CREE	280	--	--	--	--	1.48	414	--	--
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0000	--	1.03	--	0.0014	--	0.001	99.999	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0008	--	--	--	--	--	0.006	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0008	--	--	--	0.0043	--	0.005	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094228	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	03/19/2026	Fuel	Gasoline
Fuel Batch ID	U26R13	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	5534	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	6.7386	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	0.498	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	1136.7711196	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	1.0187338	--	
FE BAG 1 (Bag 1 Fuel Economy)	7.6651573	7.6651573	
CH4 BAG 1 (Bag 1 Methane)	0.0100167	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0134177	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-1244.7082774	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	6.241	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	433.0938984	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.2708313	--	
FE BAG 2 (Bag 2 Fuel Economy)	20.1287291	20.1287291	
CH4 BAG 2 (Bag 2 Methane)	0.0011986	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0009052	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	-343.6650336	--	
METHANE (CH4 - Methane)	0.00316	--	
CO (Carbon Monoxide)	0.4372174	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.6749	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.9252	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.6334	--	
MFR FE (Manufacturer Fuel Economy)	14.7816516	14.7816516	
NOX (Nitrogen Oxide)	0.006411	--	
N2O (Nitrous Oxide)	0.000201	--	
HC-NM (Non-methane Hydrocarbon)	0.0035814	--	
NMOG (Non-methane organic gases)	0.0036888	--	
PM (Particulate Matter)	0.0007008	--	
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	0.0099924	--	
HC-TOTAL (Total Hydrocarbon)	0.0064723	--	
WATT-HRS (Watt Hours)	-1588.3733	--	

Certification Summary Information Report

Test Group		VMBXT03.0HY2				Evaporative/Refueling Family				VMBXR0165LNP		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		589.6411927			--					
Manufacturer Test Comments		Drive Mode Sport+ 3S OFF, Charge Increasing Operation										
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	0.0007	--	--	--	0.0000	--	0.001	0.006	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0007	--	--	--	0.0000	--	0.001	0.006	Pass

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094234	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	03/06/2026	Fuel	Gasoline
Fuel Batch ID	U26R13	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	5068	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	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	6.73	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	0.4906065	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	570.231788	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.9312412	--	
FE BAG 1 (Bag 1 Fuel Economy)	15.2633384	15.2633384	
CH4 BAG 1 (Bag 1 Methane)	0.0022952	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0031741	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	213.1066795	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	6.2389481	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	378.0125583	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.2490315	--	
FE BAG 2 (Bag 2 Fuel Economy)	23.0600207	23.0600207	
CH4 BAG 2 (Bag 2 Methane)	0.0015869	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0054495	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	-177.4448597	--	
METHANE (CH4 - Methane)	0.0017437	--	
CO (Carbon Monoxide)	0.4000104	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.5409	--	
DT-EER (Drive Trace Energy Economy Rating)	-2.1293	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.4344	--	
MFR FE (Manufacturer Fuel Economy)	20.7179234	20.7179234	
NOX (Nitrogen Oxide)	0.0056865	--	
N2O (Nitrous Oxide)	0.0001045	--	
HC-NM (Non-methane Hydrocarbon)	0.0035362	--	
NMOG (Non-methane organic gases)	0.0036423	--	
PM (Particulate Matter)	0.0002341	--	
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	0.0092227	--	
HC-TOTAL (Total Hydrocarbon)	0.0051311	--	
WATT-HRS (Watt Hours)	35.6618	--	

Certification Summary Information Report

Test Group		VMBXT03.0HY2				Evaporative/Refueling Family				VMBXR0165LNP		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		420.5523387			--					
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 30	PM	0.0002	--	--	--	0.0000	--	0.000	0.006	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0002	--	--	--	0.0000	--	0.000	0.006	Pass

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094227	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	04/13/2026	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	5690	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))	3.5835696	--
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.5835696	--
WATT-HRS BAG 1 (Bag 1 Watt Hours)	-1733.7349253	--
METHANE (CH4 - Methane)	0.0035032	--
CO (Carbon Monoxide)	1.1568243	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.7144	--
DT-EER (Drive Trace Energy Economy Rating)	0.4886	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.1185	--
MFR FE (Manufacturer Fuel Economy)	9.5823065	9.5823065
NOX (Nitrogen Oxide)	0.0139189	--
N2O (Nitrous Oxide)	0.0005435	--
HC-NM (Non-methane Hydrocarbon)	0.0022492	--
NMOG (Non-methane organic gases)	0.0023167	--
PM (Particulate Matter)	0.0003759	--
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	0.0161681	--
HC-TOTAL (Total Hydrocarbon)	0.0054531	--
WATT-HRS (Watt Hours)	-1733.7349253	--

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Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094233	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	05/13/2026	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	6037	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))	3.5799618	--
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.5799618	--
WATT-HRS BAG 1 (Bag 1 Watt Hours)	78.8323777	--
METHANE (CH4 - Methane)	0.0035699	--
CO (Carbon Monoxide)	0.1353849	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.0481	--
DT-EER (Drive Trace Energy Economy Rating)	-1.5788	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.3082	--
MFR FE (Manufacturer Fuel Economy)	24.5065018	24.5065018
NOX (Nitrogen Oxide)	0.002665	--
N2O (Nitrous Oxide)	0.00006	--
HC-NM (Non-methane Hydrocarbon)	0.0005505	--
NMOG (Non-methane organic gases)	0.000567	--
PM (Particulate Matter)	0.0001374	--
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	0.0032155	--
HC-TOTAL (Total Hydrocarbon)	0.0037944	--
WATT-HRS (Watt Hours)	78.8323777	--

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Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094239	Test Procedure	81 - Charge Depleting UDDS
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/14/2026	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	5705	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
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	30.9599
Charge Depleting Range (Calculated miles)	67.05	Charge Depleting Range (Actual miles)	60.991
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	2017
All Electric Range Unadjusted (miles)	59.325	Equivalent All Electric Range (miles)	60.991
Number of Charge Depleting Bags/Phases Conducted	11	Transition Bag/Phase Number	9
Charge Depleting Bag/Phase #1			

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4251707	
	Average System Voltage	409.1944345	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.7921	
	Drive Trace Energy Economy Rating	-1.1696	
	Drive Trace Inertia Work Ratio Rating	-1.2538	
	Integrated Amp-hours	8.3171462	
	Integrated DC KW-HRS	3.4033	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4359583	
	Average System Voltage	408.6013551	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.9946	
	Drive Trace Energy Economy Rating	-1.0221	
	Drive Trace Inertia Work Ratio Rating	-1.5951	
	Integrated Amp-hours	16.4210366	
	Integrated DC KW-HRS	6.7146	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #3

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.431266	
	Average System Voltage	408.1620071	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.8716	
	Drive Trace Energy Economy Rating	-1.2821	
	Drive Trace Inertia Work Ratio Rating	-1.4881	
	Integrated Amp-hours	24.3810589	
	Integrated DC KW-HRS	9.9636	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #4

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4643036	
	Average System Voltage	405.9755203	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.3339	
	Drive Trace Energy Economy Rating	-0.7137	
	Drive Trace Inertia Work Ratio Rating	-0.1723	
	Integrated Amp-hours	32.3849169	
	Integrated DC KW-HRS	13.213	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #5

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4498082	
	Average System Voltage	404.0930327	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.3929	
	Drive Trace Energy Economy Rating	-1.3035	
	Drive Trace Inertia Work Ratio Rating	-0.6614	
	Integrated Amp-hours	40.4030181	
	Integrated DC KW-HRS	16.4531	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4573876	
	Average System Voltage	403.0556528	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.2519	
	Drive Trace Energy Economy Rating	-0.4886	
	Drive Trace Inertia Work Ratio Rating	-0.1974	
	Integrated Amp-hours	48.6255825	
	Integrated DC KW-HRS	19.7673	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #7

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4554668	
	Average System Voltage	401.6129068	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.2215	
	Drive Trace Energy Economy Rating	-0.8659	
	Drive Trace Inertia Work Ratio Rating	-0.0232	
	Integrated Amp-hours	56.7389339	
	Integrated DC KW-HRS	23.0257	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #8

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4485449	
	Average System Voltage	397.8114261	
	CH4 - Methane	0.0015816	
	Carbon Monoxide	0.1381668	
	Carbon dioxide	18.4004484	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.3086	
	Drive Trace Energy Economy Rating	-1.3249	
	Drive Trace Inertia Work Ratio Rating	0.0199	
	Integrated Amp-hours	64.8035228	
	Integrated DC KW-HRS	26.2339	
	Manufacturer Fuel Economy	466.0595683	
	Nitrogen Oxide	0.001162	
	Nitrous Oxide	0.00004	
	Non-methane Hydrocarbon	0.012881	
	Non-methane organic gases	0.0141626	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0.00005	
	Total Hydrocarbon	0.0143456	

Charge Depleting Bag/Phase #9

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4495295	
	Average System Voltage	398.5350857	
	CH4 - Methane	0.0029147	
	Carbon Monoxide	0.2288033	
	Carbon dioxide	280.8717781	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.9223	
	Drive Trace Energy Economy Rating	-1.2962	
	Drive Trace Inertia Work Ratio Rating	-0.8447	
	Integrated Amp-hours	66.3381566	
	Integrated DC KW-HRS	26.8455	
	Manufacturer Fuel Economy	30.9242061	
	Nitrogen Oxide	0.0025204	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0.0010016	
	Non-methane organic gases	0.0011012	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0.0001513	
	Total Hydrocarbon	0.0037007	

Charge Depleting Bag/Phase #10

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4441934	
	Average System Voltage	399.9631089	
	CH4 - Methane	0.0013366	
	Carbon Monoxide	0.2353435	
	Carbon dioxide	327.5223869	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	-0.8517	
	Drive Trace Energy Economy Rating	-1.4102	
	Drive Trace Inertia Work Ratio Rating	-0.9904	
	Integrated Amp-hours	66.3686049	
	Integrated DC KW-HRS	26.8577	
	Manufacturer Fuel Economy	26.5244168	
	Nitrogen Oxide	0.0017249	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Particulate Matter	0.0001225	
	Total Hydrocarbon	0.0006625	

Charge Depleting Bag/Phase #11

Manufacturer Test Comments	EDV E10 Charge Depleding, Drive Mode Default from Full Charge

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094246	Test Procedure	84 - Charge Depleting Highway
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	5787	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
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	29.7078
Charge Depleting Range (Calculated miles)	71.82	Charge Depleting Range (Actual miles)	66.328
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	2017
All Electric Range Unadjusted (miles)	66.041	Equivalent All Electric Range (miles)	65.71
Number of Charge Depleting Bags/Phases Conducted	10	Transition Bag/Phase Number	7
Charge Depleting Bag/Phase #1			

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2667463	
	Average System Voltage	405.4629309	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	3.6644	
	Drive Trace Energy Economy Rating	-0.3464	
	Drive Trace Inertia Work Ratio Rating	4.9841	
	Integrated Amp-hours	10.6844319	
	Integrated DC KW-HRS	4.3321	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2560606	
	Average System Voltage	404.949151	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	1.9489	
	Drive Trace Energy Economy Rating	-0.6072	
	Drive Trace Inertia Work Ratio Rating	2.2769	
	Integrated Amp-hours	20.6631135	
	Integrated DC KW-HRS	8.373	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #3

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.262594	
	Average System Voltage	403.2414353	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	1.779	
	Drive Trace Energy Economy Rating	-0.8356	
	Drive Trace Inertia Work Ratio Rating	2.4453	
	Integrated Amp-hours	30.6113772	
	Integrated DC KW-HRS	12.3846	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #4

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.259101	
	Average System Voltage	401.1443252	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	2.5366	
	Drive Trace Energy Economy Rating	-0.4993	
	Drive Trace Inertia Work Ratio Rating	3.121	
	Integrated Amp-hours	40.5662914	
	Integrated DC KW-HRS	16.378	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #5

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2581896	
	Average System Voltage	399.4295863	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	1.0584	
	Drive Trace Energy Economy Rating	-0.6857	
	Drive Trace Inertia Work Ratio Rating	1.2637	
	Integrated Amp-hours	50.5282256	
	Integrated DC KW-HRS	20.3571	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2613884	
	Average System Voltage	396.6408804	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	2.259	
	Drive Trace Energy Economy Rating	-0.7515	
	Drive Trace Inertia Work Ratio Rating	3.2883	
	Integrated Amp-hours	60.5638811	
	Integrated DC KW-HRS	24.3377	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #7

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2667629	
	Average System Voltage	396.5278825	
	CH4 - Methane	0.0015709	
	Carbon Monoxide	0.1754798	
	Carbon dioxide	168.5904838	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	2.9842	
	Drive Trace Energy Economy Rating	-0.602	
	Drive Trace Inertia Work Ratio Rating	3.8069	
	Integrated Amp-hours	65.2196413	
	Integrated DC KW-HRS	26.1838	
	Manufacturer Fuel Economy	51.4945341	
	Nitrogen Oxide	0.0011667	
	Nitrous Oxide	0.0001581	
	Non-methane Hydrocarbon	0.0082305	
	Non-methane organic gases	0.0084774	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0096852	

Charge Depleting Bag/Phase #8

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2628378	
	Average System Voltage	401.1540251	
	CH4 - Methane	0.000413	
	Carbon Monoxide	0.0580029	
	Carbon dioxide	279.9143431	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	2.5219	
	Drive Trace Energy Economy Rating	-0.9312	
	Drive Trace Inertia Work Ratio Rating	3.4055	
	Integrated Amp-hours	65.1549916	
	Integrated DC KW-HRS	26.1579	
	Manufacturer Fuel Economy	31.0608305	
	Nitrogen Oxide	0.0010842	
	Nitrous Oxide	0.00007	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #9

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2578698	
	Average System Voltage	401.4132185	
	CH4 - Methane	0.0003631	
	Carbon Monoxide	0.0785452	
	Carbon dioxide	275.6189226	
	Carbon-Related Exhaust Emissions	999.99	
	Drive Trace Absolute Speed Change Rating	2.4958	
	Drive Trace Energy Economy Rating	-0.6373	
	Drive Trace Inertia Work Ratio Rating	3.0421	
	Integrated Amp-hours	65.1292053	
	Integrated DC KW-HRS	26.1475	
	Manufacturer Fuel Economy	31.5410483	
	Nitrogen Oxide	0.0005824	
	Nitrous Oxide	0.000069	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.000003	

Charge Depleting Bag/Phase #10

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP																																								
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.263083</td></tr><tr><td>Average System Voltage</td><td>401.6403418</td></tr><tr><td>CH4 - Methane</td><td>0.0003706</td></tr><tr><td>Carbon Monoxide</td><td>0.0734478</td></tr><tr><td>Carbon dioxide</td><td>273.9286938</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>999.99</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.7311</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.649</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.5814</td></tr><tr><td>Integrated Amp-hours</td><td>65.1305031</td></tr><tr><td>Integrated DC KW-HRS</td><td>26.148</td></tr><tr><td>Manufacturer Fuel Economy</td><td>31.7365078</td></tr><tr><td>Nitrogen Oxide</td><td>0.0006667</td></tr><tr><td>Nitrous Oxide</td><td>0.00009</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0</td></tr><tr><td>Non-methane organic gases</td><td>0</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>Optional Carbon-Related Exhaust Emissions</td><td>999.99</td></tr><tr><td>Total Hydrocarbon</td><td>0</td></tr></table>			Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.263083	Average System Voltage	401.6403418	CH4 - Methane	0.0003706	Carbon Monoxide	0.0734478	Carbon dioxide	273.9286938	Carbon-Related Exhaust Emissions	999.99	Drive Trace Absolute Speed Change Rating	1.7311	Drive Trace Energy Economy Rating	-0.649	Drive Trace Inertia Work Ratio Rating	2.5814	Integrated Amp-hours	65.1305031	Integrated DC KW-HRS	26.148	Manufacturer Fuel Economy	31.7365078	Nitrogen Oxide	0.0006667	Nitrous Oxide	0.00009	Non-methane Hydrocarbon	0	Non-methane organic gases	0	Non-methane organic gases plus Nitrogen Oxides	999.999	Optional Carbon-Related Exhaust Emissions	999.99	Total Hydrocarbon	0
	Test Result/Emission Name	Unrounded Test Result																																									
	Actual Distance Driven (miles)	10.263083																																									
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	Manufacturer Fuel Economy	31.7365078																																									
	Nitrogen Oxide	0.0006667																																									
	Nitrous Oxide	0.00009																																									
	Non-methane Hydrocarbon	0																																									
	Non-methane organic gases	0																																									
	Non-methane organic gases plus Nitrogen Oxides	999.999																																									
	Optional Carbon-Related Exhaust Emissions	999.99																																									
	Total Hydrocarbon	0																																									
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Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094385	Test Procedure	81 - Charge Depleting UDDS
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/13/2026	Fuel	N/A
Fuel Batch ID	U26I04	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	5211	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
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	31.1408
Charge Depleting Range (Calculated miles)	67.05	Charge Depleting Range (Actual miles)	60.766
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	2017
All Electric Range Unadjusted (miles)	59.136	Equivalent All Electric Range (miles)	59.136
Number of Charge Depleting Bags/Phases Conducted	11	Transition Bag/Phase Number	9
Charge Depleting Bag/Phase #1			

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4309366	
	Average System Voltage	408.7200208	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.6681	
	Drive Trace Energy Economy Rating	-0.9614	
	Drive Trace Inertia Work Ratio Rating	-1.4659	
	Integrated Amp-hours	8.3898983	
	Integrated DC KW-HRS	3.4291	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4348247	
	Average System Voltage	408.3068363	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.5034	
	Drive Trace Energy Economy Rating	-0.9044	
	Drive Trace Inertia Work Ratio Rating	-0.9357	
	Integrated Amp-hours	16.5722981	
	Integrated DC KW-HRS	6.77	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #3

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4422218	
	Average System Voltage	407.811343	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.5014	
	Drive Trace Energy Economy Rating	-0.884	
	Drive Trace Inertia Work Ratio Rating	-0.6602	
	Integrated Amp-hours	24.6782072	
	Integrated DC KW-HRS	10.0757	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #4

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4346045	
	Average System Voltage	405.8084926	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.8342	
	Drive Trace Energy Economy Rating	-1.0027	
	Drive Trace Inertia Work Ratio Rating	-1.2964	
	Integrated Amp-hours	32.7596149	
	Integrated DC KW-HRS	13.3552	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #5

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4269315	
	Average System Voltage	404.0843384	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.6243	
	Drive Trace Energy Economy Rating	-0.7662	
	Drive Trace Inertia Work Ratio Rating	-1.1496	
	Integrated Amp-hours	41.0008528	
	Integrated DC KW-HRS	16.6854	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4321995	
	Average System Voltage	403.214801	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.7481	
	Drive Trace Energy Economy Rating	-1.2289	
	Drive Trace Inertia Work Ratio Rating	-1.3867	
	Integrated Amp-hours	49.1633448	
	Integrated DC KW-HRS	19.9766	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #7

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4377219	
	Average System Voltage	401.7507021	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.7987	
	Drive Trace Energy Economy Rating	-0.9705	
	Drive Trace Inertia Work Ratio Rating	-1.3573	
	Integrated Amp-hours	57.4067878	
	Integrated DC KW-HRS	23.2884	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #8

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4423444	
	Average System Voltage	398.043066	
	CH4 - Methane	0.0023372	
	Carbon Monoxide	0.1804382	
	Carbon dioxide	33.2532902	
	Carbon-Related Exhaust Emissions	33.624893	
	Drive Trace Absolute Speed Change Rating	-0.5595	
	Drive Trace Energy Economy Rating	-0.9074	
	Drive Trace Inertia Work Ratio Rating	-0.5779	
	Integrated Amp-hours	65.3811947	
	Integrated DC KW-HRS	26.4626	
	Manufacturer Fuel Economy	260.7764938	
	Nitrogen Oxide	0.0014274	
	Nitrous Oxide	0.0001965	
	Non-methane Hydrocarbon	0.0259387	
	Non-methane organic gases	0.0269763	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0280755	

Charge Depleting Bag/Phase #9

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.424497	
	Average System Voltage	398.7614593	
	CH4 - Methane	0.0024315	
	Carbon Monoxide	0.1144332	
	Carbon dioxide	288.6149542	
	Carbon-Related Exhaust Emissions	288.8066735	
	Drive Trace Absolute Speed Change Rating	-0.5439	
	Drive Trace Energy Economy Rating	-1.2635	
	Drive Trace Inertia Work Ratio Rating	-0.9577	
	Integrated Amp-hours	66.7582033	
	Integrated DC KW-HRS	27.0117	
	Manufacturer Fuel Economy	30.3614606	
	Nitrogen Oxide	0.0027166	
	Nitrous Oxide	0.000295	
	Non-methane Hydrocarbon	0.0015821	
	Non-methane organic gases	0.0016454	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.003805	

Charge Depleting Bag/Phase #10

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.4606947	
	Average System Voltage	400.3525725	
	CH4 - Methane	0.0018107	
	Carbon Monoxide	0.3821399	
	Carbon dioxide	342.007784	
	Carbon-Related Exhaust Emissions	342.6152986	
	Drive Trace Absolute Speed Change Rating	-1.0175	
	Drive Trace Energy Economy Rating	-0.9907	
	Drive Trace Inertia Work Ratio Rating	-1.5254	
	Integrated Amp-hours	66.696376	
	Integrated DC KW-HRS	26.9869	
	Manufacturer Fuel Economy	25.5931061	
	Nitrogen Oxide	0.0027212	
	Nitrous Oxide	0.000035	
	Non-methane Hydrocarbon	0.0006295	
	Non-methane organic gases	0.0006547	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0022849	

Charge Depleting Bag/Phase #11

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP																																								
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4609925</td></tr><tr><td>Average System Voltage</td><td>400.2450476</td></tr><tr><td>CH4 - Methane</td><td>0.0012715</td></tr><tr><td>Carbon Monoxide</td><td>0.2398571</td></tr><tr><td>Carbon dioxide</td><td>329.9290251</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>330.3116478</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.943</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.237</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.2851</td></tr><tr><td>Integrated Amp-hours</td><td>66.8489508</td></tr><tr><td>Integrated DC KW-HRS</td><td>27.048</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.5464182</td></tr><tr><td>Nitrogen Oxide</td><td>0.0016817</td></tr><tr><td>Nitrous Oxide</td><td>0</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0.0006875</td></tr><tr><td>Non-methane organic gases</td><td>0.000715</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>Optional Carbon-Related Exhaust Emissions</td><td>999.99</td></tr><tr><td>Total Hydrocarbon</td><td>0.0018499</td></tr></table>			Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4609925	Average System Voltage	400.2450476	CH4 - Methane	0.0012715	Carbon Monoxide	0.2398571	Carbon dioxide	329.9290251	Carbon-Related Exhaust Emissions	330.3116478	Drive Trace Absolute Speed Change Rating	-0.943	Drive Trace Energy Economy Rating	-1.237	Drive Trace Inertia Work Ratio Rating	-1.2851	Integrated Amp-hours	66.8489508	Integrated DC KW-HRS	27.048	Manufacturer Fuel Economy	26.5464182	Nitrogen Oxide	0.0016817	Nitrous Oxide	0	Non-methane Hydrocarbon	0.0006875	Non-methane organic gases	0.000715	Non-methane organic gases plus Nitrogen Oxides	999.999	Optional Carbon-Related Exhaust Emissions	999.99	Total Hydrocarbon	0.0018499
	Test Result/Emission Name	Unrounded Test Result																																									
	Actual Distance Driven (miles)	7.4609925																																									
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	Non-methane organic gases	0.000715																																									
	Non-methane organic gases plus Nitrogen Oxides	999.999																																									
	Optional Carbon-Related Exhaust Emissions	999.99																																									
	Total Hydrocarbon	0.0018499																																									

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Test #	VMBX10094386	Test Procedure	84 - Charge Depleting Highway
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/17/2026	Fuel	N/A
Fuel Batch ID	U26I04	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	5349	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
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	30.7275
Charge Depleting Range (Calculated miles)	71.82	Charge Depleting Range (Actual miles)	64.764
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	2017
All Electric Range Unadjusted (miles)	64.853	Equivalent All Electric Range (miles)	64.853
Number of Charge Depleting Bags/Phases Conducted	10	Transition Bag/Phase Number	7
Charge Depleting Bag/Phase #1			

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2648895	
	Average System Voltage	405.0278624	
	CH4 - Methane	0.000067	
	Carbon Monoxide	0.0001647	
	Carbon dioxide	0.1520396	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	11.0013294	
	Integrated DC KW-HRS	4.4558	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0.0001261	
	Nitrous Oxide	0.000008	
	Non-methane Hydrocarbon	0.0002366	
	Non-methane organic gases	0.000246	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0002982	

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2700626	
	Average System Voltage	404.3209458	
	CH4 - Methane	0.000063	
	Carbon Monoxide	0.0002136	
	Carbon dioxide	0.1209922	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	21.2795362	
	Integrated DC KW-HRS	8.6115	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0.0001027	
	Nitrous Oxide	0.000021	
	Non-methane Hydrocarbon	0.0005765	
	Non-methane organic gases	0.0005996	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0006341	

Charge Depleting Bag/Phase #3

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2629349	
	Average System Voltage	402.7936971	
	CH4 - Methane	0.000039	
	Carbon Monoxide	0.000054	
	Carbon dioxide	0.1216516	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	31.4923399	
	Integrated DC KW-HRS	12.7252	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0.000059	
	Nitrous Oxide	0.000086	
	Non-methane Hydrocarbon	0.0005878	
	Non-methane organic gases	0.0006113	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0006231	

Charge Depleting Bag/Phase #4

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2545886	
	Average System Voltage	400.8980085	
	CH4 - Methane	0.000039	
	Carbon Monoxide	0.0001776	
	Carbon dioxide	0.1097832	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	41.7197915	
	Integrated DC KW-HRS	16.8254	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0.0001005	
	Nitrous Oxide	0.00002	
	Non-methane Hydrocarbon	0.0004446	
	Non-methane organic gases	0.0004624	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0004802	

Charge Depleting Bag/Phase #5

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2626429	
	Average System Voltage	399.0939729	
	CH4 - Methane	0.000036	
	Carbon Monoxide	0	
	Carbon dioxide	0.102713	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	51.9472636	
	Integrated DC KW-HRS	20.9071	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0.000086	
	Nitrous Oxide	0.000018	
	Non-methane Hydrocarbon	0.0002984	
	Non-methane organic gases	0.0003103	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0003315	

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2668275	
	Average System Voltage	396.1151108	
	CH4 - Methane	0.000057	
	Carbon Monoxide	0	
	Carbon dioxide	0.0828626	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	62.2042241	
	Integrated DC KW-HRS	24.97	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0.000043	
	Nitrous Oxide	0.000055	
	Non-methane Hydrocarbon	0.0005459	
	Non-methane organic gases	0.0005677	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0005979	

Charge Depleting Bag/Phase #7

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2648746	
	Average System Voltage	397.9174595	
	CH4 - Methane	0.0020891	
	Carbon Monoxide	0.1867145	
	Carbon dioxide	215.9594059	
	Carbon-Related Exhaust Emissions	216.2904279	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	65.3717165	
	Integrated DC KW-HRS	26.2304	
	Manufacturer Fuel Economy	40.5408191	
	Nitrogen Oxide	0.0023452	
	Nitrous Oxide	0.0001712	
	Non-methane Hydrocarbon	0.0100973	
	Non-methane organic gases	0.0105012	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0120074	

Charge Depleting Bag/Phase #8

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2624702	
	Average System Voltage	401.4409209	
	CH4 - Methane	0.0005154	
	Carbon Monoxide	0.0772373	
	Carbon dioxide	287.6125963	
	Carbon-Related Exhaust Emissions	287.7362278	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	65.3414631	
	Integrated DC KW-HRS	26.2183	
	Manufacturer Fuel Economy	30.4744136	
	Nitrogen Oxide	0.0009335	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0.0002588	
	Non-methane organic gases	0.0002691	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.00073	

Charge Depleting Bag/Phase #9

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.2590838	
	Average System Voltage	401.7855771	
	CH4 - Methane	0.000759	
	Carbon Monoxide	0.1006174	
	Carbon dioxide	282.9792355	
	Carbon-Related Exhaust Emissions	283.140043	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated Amp-hours	65.3431458	
	Integrated DC KW-HRS	26.219	
	Manufacturer Fuel Economy	30.9691007	
	Nitrogen Oxide	0.0006408	
	Nitrous Oxide	0	
	Non-methane Hydrocarbon	0.0001781	
	Non-methane organic gases	0.0001852	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	Optional Carbon-Related Exhaust Emissions	999.99	
	Total Hydrocarbon	0.0008721	

Charge Depleting Bag/Phase #10

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP																																							
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.2633407</td></tr><tr><td>Average System Voltage</td><td>401.9161107</td></tr><tr><td>CH4 - Methane</td><td>0.0005594</td></tr><tr><td>Carbon Monoxide</td><td>0.0819562</td></tr><tr><td>Carbon dioxide</td><td>280.7103958</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>280.841289</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated Amp-hours</td><td>65.3836091</td></tr><tr><td>Integrated DC KW-HRS</td><td>26.2353</td></tr><tr><td>Manufacturer Fuel Economy</td><td>31.2225911</td></tr><tr><td>Nitrogen Oxide</td><td>0.0005597</td></tr><tr><td>Nitrous Oxide</td><td>0</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0.0001702</td></tr><tr><td>Non-methane organic gases</td><td>0.000177</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>Optional Carbon-Related Exhaust Emissions</td><td>999.99</td></tr><tr><td>Total Hydrocarbon</td><td>0.0006817</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.2633407	Average System Voltage	401.9161107	CH4 - Methane	0.0005594	Carbon Monoxide	0.0819562	Carbon dioxide	280.7103958	Carbon-Related Exhaust Emissions	280.841289	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated Amp-hours	65.3836091	Integrated DC KW-HRS	26.2353	Manufacturer Fuel Economy	31.2225911	Nitrogen Oxide	0.0005597	Nitrous Oxide	0	Non-methane Hydrocarbon	0.0001702	Non-methane organic gases	0.000177	Non-methane organic gases plus Nitrogen Oxides	999.999	Optional Carbon-Related Exhaust Emissions	999.99	Total Hydrocarbon	0.0006817	
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Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Fuel Properties			
Fuel Batch ID	U26R13	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	01/07/2026
Fuel Batch Calibration Effective Date	03/10/2026	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	0.754
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.72	Fuel Carbon Mass Fraction (E10)	0.83
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	--
Fuel Batch ID	U24R03	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	02/03/2023
Fuel Batch Calibration Effective Date	03/15/2023	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 (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17601
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	U27C02	Fuel Calibration Number	1
Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)	Fuel Batch Calibration Date	04/11/2024
Fuel Batch Calibration Effective Date	05/17/2024	Fuel Batch Calibration Ineffective Date	--

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
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)	41.391	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	U26I04	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	08/20/2025
Fuel Batch Calibration Effective Date	01/23/2026	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	0.735
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18455
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.857	Weight Fraction CO2	--
Fuel Batch ID	U26I05	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	10/17/2025
Fuel Batch Calibration Effective Date	03/20/2026	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	0.735
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18465
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.857	Weight Fraction CO2	--
Fuel Batch ID	U24R04	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	04/03/2023
Fuel Batch Calibration Effective Date	04/13/2023	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 (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17601
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--

Certification Summary Information Report

Test Group	VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	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	--

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family		VMBXR0165LNP		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code		Both		
Vehicle Class		LDT4 (ALVW > 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
120,000 miles	CREE	--	--	--	--	--	1.48	--	999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0043	99.999
Cert Region		Federal			Cert/In-Use Code		Both		
Vehicle Class		LDT4 (ALVW > 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
120,000 miles	CREE	--	--	--	--	--	1.48	--	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0002	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0001	0.010
150,000 miles	CO	--	--	--	--	--	--	0	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0014	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0043	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.003

Certification Summary Information Report

Test Group	VMBXT03.0HY2			Evaporative/Refueling Family			VMBXR0165LNP		
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 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
120,000 miles	CREE	--	--	--	--	--	1.48	--	999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0043	99.999

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 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
120,000 miles	CREE	--	--	--	--	--	1.48	--	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0002	0.030
120,000 miles	N2O	--	--	--	--	--	--	--	0.010
150,000 miles	CO	--	--	--	--	--	--	0	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0014	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0043	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.001

Certification Summary Information Report

Test Group		VMBXT03.0HY2			Evaporative/Refueling Family			VMBXR0165LNP	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 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	--	--	--	--	--	--	0	12.5
120,000 miles	HC-NM	--	--	--	--	--	--	0.001	0.200
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 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	--	--	--	--	--	--	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 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	--	--	--	--	--	--	0.0000	0.006
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 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	--	--	--	--	--	--	0.0000	0.006
Evaporative/Refueling Standards									

Certification Summary Information Report

Test Group		VMBXT03.0HY2		Evaporative/Refueling Family		VMBXR0165LNP	
Evaporative/Refueling Family		VMBXR0165LNP		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	--	0.475	0		
Evaporative/Refueling Family		VMBXR0165LNP		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	OMHCE	--	0.20	0.012		
Evaporative/Refueling Family		VMBXR0165LNP		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	--	0.475	0		
Evaporative/Refueling Family		VMBXR0165LNP		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	OMHCE	--	0.20	0.012		
Evaporative/Refueling Family		VMBXR0165LNP		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	0		

Certification Summary Information Report

Test Group		VMBXT03.0HY2		Evaporative/Refueling Family		VMBXR0165LNP	
Evaporative/Refueling Family		VMBXR0165LNP		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0		
Evaporative/Refueling Family		VMBXR0165LNP		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	--	0.475	0		
Evaporative/Refueling Family		VMBXR0165LNP		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	--	0.475	0		

Certification Summary Information Report

Test Group		VMBXT03.0HY2		Evaporative/Refueling Family		VMBXR0165LNP	
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		VMBXT03.0HY2	Evaporative/Refueling Family		VMBXR0165LNP
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		VMBXT03.0HY2	Evaporative/Refueling Family	VMBXR0165LNP
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		VMBXT03.0HY2	Evaporative/Refueling Family		VMBXR0165LNP
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 *

VMBXT03.0HY2

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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