

CARB USE ONLY

Invoice Name	MSF250744-1
Invoice Date	May 28, 2026

COMPANY INFORMATION

Company Name	Mercedes-Benz AG c/o Sprinter Engineering
Address	8490 Palmetto Commerce
City	Ladson
State	SC
Zip	29456
Country	United States
Contact Name	Anthony Washington
Contact Telephone Number	8548883206
Contact Email	anthony.washington@mbusa.com
CARB Customer Number	CCAM000022

APPLICATION INFORMATION

Row Number	Previous Unique Application Identifier	Previously Selected Category Type	Previously Selected Fee Type	Paid Amount	Corrected Unique Application Identifier	Corrected Category Type	Corrected Fee Type	Corrected Amount	Amount Due
1	VMBXD00.0ED1	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00	VMBXD00.0ED1	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00	\$ 0.00
2	VMBXD00.0ED2	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00	VMBXD00.0ED2	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00	\$ 0.00
3	VMBXD02.0HD2	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VMBXD02.0HD4	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
4	VMBXD02.0HD3	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VMBXD02.0HD5	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00

Total Invoice (MSF250744) Paid	\$ 125,772.00	Total Corrected	\$ 125,772.00
		Total Due	\$ 0.00

Notes
Changed UID for Row 3 from VMBXD02.0HD2 to VMBXD02.0HD4. Changed UID for Row 4 from VMBXD02.0HD3 to VMBXD02.0HD5.

I, Anthony N Washington, 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: Thursday, May 28, 2026 2:39 PM
To: Washington, Anthony (171) <anthony.washington@mbusa.com>
Cc: Fees@arb.ca.gov
Subject: Adjusted MS Fee Invoice # MSF250744-1

[EXTERNAL E-MAIL**]**

Dear Anthony Washington

Attached is your final adjusted invoice replacing MSF250744

If you have additional questions regarding the fee invoicing and payment process, please go to CARB's MS Fees webpage at <https://ww2.arb.ca.gov/mobile-source-certification-and-compliance-fee-regulation-meetings-workshops>.





Application for Certification – Part 1

Model Year 2027 Specific Sections

Model(s) Covered:	Sprinter 2500 Sprinter 3500 Sprinter 2500 AWD
Test Group:	VMBXD02.0HD4
Test Group Description:	2.0 ltr. I-4 turbocharged
Durability Group:	VMBXDPDNNPP4
Durability Group Description:	Diesel Cycle - Four Stroke - water cooled - piston - direct injection - Pt/Pd Oxidation Catalyst (OC) - Diesel Particulate Filter (DPF) - Selective Catalytic Reduction (SCR) Catalyst
Evaporative Family:	N/A
EPA Summary Sheet No.:	CSI-VMBXD02.0HD4
Applicable Standards:	Federal - Interim Tier 4 BIN 170 California – LEV III SULEV 170
OBD Group:	MRDx
Vehicle(s) Tested Exhaust:	L907DE20TC 4x4 (4.1t) - Z2550 L907DE20TC (5.5t) - Z2503
Vehicle(s) Tested EVAP:	N/A



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Mercedes-Benz AG

U.S. Certification

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U.S. Certification

Revision History

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



1 Correspondence

1.01 EPA Responsible Official

Shaun Roopnarine
Manager, US Certification Testing
Government Liaison, EPA
Phone: +1 (201) 312 7842
Email: shaun.roopnarine@mercedes-benz.com

1.02 CARB Responsible Official

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

1.03 Mailing Information

Mercedes-Benz AG
Attention: HPC 059-H511
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	TMBXD02.0HD2	Carry-Over of Test Result
EVAP	N/A	N/A
Durability	TMBXDPDNNPP3	Carry-Over of Test Result



6 Test Vehicle

6.01 Test Vehicle Description

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



7 Test Results

7.01 Certification Summary Information

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

7.02 Supplemental Test Methods

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

7.03 Pressurized Fuel Tanks

Not applicable for this test group.

7.04 Vehicle Lubricants

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



8 Statements

8.01 Conformity

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

8.02 Testing Waiver Statements

Please refer to the Common Application for Certification.



9 On-Board Diagnostic System

9.01 OBD System

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

9.02 Fuel Tank Leak Test

Please refer to the Common Application for Certification.



10 Alternate-Fueled Vehicles

10.01 Applicability

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



11 Auxiliary Emissions Control Devices

11.01 AECD Document

Please refer to Section 16 Confidential Information.



12 Vehicles Covered by Certificate

12.01 Vehicle Information & Test Parameters

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

	Vehicle 1 (EDV)	Vehicle 2
Vehicle Identification Text:	L907DE20TC-Z2550	(not tested)
Actual Test Vehicle Make Text:	Mercedes-Benz	Mercedes-Benz
Actual Test Vehicle Model Text:	Sprinter 2500 AWD (4.1t)	Sprinter 2500 (4.1t)
Carline Class:	Vans	Vans
Evaporative Refueling Family Name:	n/a	n/a
Drive Source Details 1		
Drive Source Identifier:	C	C
Fuel Identifier:	D	D
Drive Source Details 2		
Drive Source Identifier:	-	-
Fuel Identifier:	-	-
Fuel Cell Indicator:	N	N
Rechargeable Energy Storage System Indicator:	N	N
Rechargeable Energy Storage Device Identifier:	N	N
Off Board Charge Capability Indicator:	N	N
Test Drive Code:	A	R
Shift Indicator Light Usage Identifier:	1	1
Aged Component Usage Identifier:	4	4
Odometer Correction Details		
Correction Initial Value:	0.9796	
Correction Factor Value:	11	
Correction Sign Identifier:	-	-
Correction Units Code:	M	M
Engine Code Text:	OM654-D20TC	OM654-D20TC
Engine Rated Horsepower Value:	208	208
Engine Displacement Value:	1950	1950
Air Aspiration Details		
Air Aspiration Method Identifier:	TC	TC
Air Aspiration Device Count:	2	2
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	N	N
⁽¹⁾ Vehicle Specifications Details		
Vehicle Class (EPA):	HDV1	HDV1



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Vehicle Class (CARB):	MDV4	MDV4
Curb Weight Value:	7400	7400
Equivalent Test Weight Value:	8000	8000
Gross Vehicle Weight Rating Value:	9050	9050
Adjusted Loaded Vehicle Weight Value:	8225	8225
Loaded Vehicle Weight Value:	7700	7700
Vehicle Subconfigs Details		
Vehicle Configuration Number:	0	
Manufacturer Vehicle Configuration Number:	0	
Tire Description:	Tire 1 (worst case)	
Front:	245/75 R16	
Rear:	245/75 R16	
Total Road Load Horsepower Value:	35.82	
NV Ratio Value:	27.9	
Axle Ratio Value:	3.923	
Test Drive Mode (cycle based):	Refer to section 16 (CBI)	
Test Procedure Dynamometer Coefficients		
Target Coefficient A Value:	86.1	
Target Coefficient B Value:	1.3745	
Target Coefficient C Value:	0.04551	

⁽¹⁾ Adjusted to current model year

	Vehicle 3	Vehicle 4
Vehicle Identification Text:	(not tested)	(not tested)
Actual Test Vehicle Make Text:	Mercedes-Benz	Mercedes-Benz
Actual Test Vehicle Model Text:	Sprinter 2500 (4.3t)	Sprinter 3500 (4.49t)
Carline Class:	Vans	Vans
Evaporative Refueling Family Name:	n/a	n/a
Drive Source Details 1		
Drive Source Identifier:	C	C
Fuel Identifier:	D	D
Drive Source Details 2		
Drive Source Identifier:	-	-
Fuel Identifier:	-	-
Fuel Cell Indicator:	N	N
Rechargeable Energy Storage System Indicator:	N	N
Rechargeable Energy Storage Device Identifier:	N	N
Off Board Charge Capability Indicator:	N	N
Test Drive Code:	R	R
Shift Indicator Light Usage Identifier:	1	1
Aged Component Usage Identifier:	4	4
Odometer Correction Details		
Correction Initial Value:		
Correction Factor Value:		
Correction Sign Identifier:	-	-
Correction Units Code:	M	M
Engine Code Text:	OM654-D20TC	OM654-D20TC
Engine Rated Horsepower Value:	208	208



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U.S. Certification

Engine Displacement Value:	1950	1950
Air Aspiration Details		
Air Aspiration Method Identifier:	TC	TC
Air Aspiration Device Count:	2	2
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	N	N
⁽¹⁾ Vehicle Specifications Details		
Vehicle Class (EPA):	HDV1	HDV1
Vehicle Class (CARB):	MDV4	MDV4
Curb Weight Value:	7400	7400
Equivalent Test Weight Value:	8000	8500
Gross Vehicle Weight Rating Value:	9480	9990
Adjusted Loaded Vehicle Weight Value:	8440	8650
Loaded Vehicle Weight Value:	7700	7700

⁽¹⁾ Adjusted to current model year

	Vehicle 5	Vehicle 6
Vehicle Identification Text:	(not tested)	(not tested)
Actual Test Vehicle Make Text:	Mercedes-Benz	Mercedes-Benz
Actual Test Vehicle Model Text:	Sprinter 3500 (4.53t)	Sprinter 2500 (4.1t)
Carline Class:	Vans	Vans
Evaporative Refueling Family Name:	n/a	n/a
Drive Source Details 1		
Drive Source Identifier:	C	C
Fuel Identifier:	D	D
Drive Source Details 2		
Drive Source Identifier:	-	-
Fuel Identifier:	-	-
Fuel Cell Indicator:	N	N
Rechargeable Energy Storage System Indicator:	N	N
Rechargeable Energy Storage Device Identifier:	N	N
Off Board Charge Capability Indicator:	N	N
Test Drive Code:	R	R
Shift Indicator Light Usage Identifier:	1	1
Aged Component Usage Identifier:	4	4
Odometer Correction Details		
Correction Initial Value:		
Correction Factor Value:		
Correction Sign Identifier:	-	-
Correction Units Code:	M	M
Engine Code Text:	OM654-D20TC	OM654-D20TC-R



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Engine Rated Horsepower Value:	208	168
Engine Displacement Value:	1950	1950
Air Aspiration Details		
Air Aspiration Method Identifier:	TC	TC
Air Aspiration Device Count:	2	2
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	N	N
⁽¹⁾ Vehicle Specifications Details		
Vehicle Class (EPA):	HDV1	HDV1
Vehicle Class (CARB):	MDV4	MDV4
Curb Weight Value:	7400	7400
Equivalent Test Weight Value:	8500	8000
Gross Vehicle Weight Rating Value:	9990	9050
Adjusted Loaded Vehicle Weight Value:	8650	8225
Loaded Vehicle Weight Value:	7700	7700

⁽¹⁾ Adjusted to current model year

	Vehicle 7	Vehicle 8
Vehicle Identification Text:	(not tested)	(not tested)
Actual Test Vehicle Make Text:	Mercedes-Benz	Mercedes-Benz
Actual Test Vehicle Model Text:	Sprinter 2500 (4.3t)	Sprinter 3500 (4.49t)
Carline Class:	Vans	Vans
Evaporative Refueling Family Name:	n/a	n/a
Drive Source Details 1		
Drive Source Identifier:	C	C
Fuel Identifier:	D	D
Drive Source Details 2		
Drive Source Identifier:	-	-
Fuel Identifier:	-	-
Fuel Cell Indicator:	N	N
Rechargeable Energy Storage System Indicator:	N	N
Rechargeable Energy Storage Device Identifier:	N	N
Off Board Charge Capability Indicator:	N	N
Test Drive Code:	R	R
Shift Indicator Light Usage Identifier:	1	1
Aged Component Usage Identifier:	4	4
Odometer Correction Details		
Correction Initial Value:		
Correction Factor Value:		
Correction Sign Identifier:	-	-
Correction Units Code:	M	M



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Engine Code Text:	OM654-D20TC-R	OM654-D20TC-R
Engine Rated Horsepower Value:	168	168
Engine Displacement Value:	1950	1950
Air Aspiration Details		
Air Aspiration Method Identifier:	TC	TC
Air Aspiration Device Count:	2	2
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	N	N
⁽¹⁾ Vehicle Specifications Details		
Vehicle Class (EPA):	HDV1	HDV1
Vehicle Class (CARB):	MDV4	MDV4
Curb Weight Value:	7400	7400
Equivalent Test Weight Value:	8000	8500
Gross Vehicle Weight Rating Value:	9480	9900
Adjusted Loaded Vehicle Weight Value:	8440	8650
Loaded Vehicle Weight Value:	7700	7700

⁽¹⁾ Adjusted to current model year

	Vehicle 9	Vehicle 10
Vehicle Identification Text:	(not tested)	
Actual Test Vehicle Make Text:	Mercedes-Benz	
Actual Test Vehicle Model Text:	Sprinter 3500 (4.53t)	
Carline Class:	Vans	
Evaporative Refueling Family Name:	n/a	
Drive Source Details 1		
Drive Source Identifier:	C	
Fuel Identifier:	D	
Drive Source Details 2		
Drive Source Identifier:	-	
Fuel Identifier:	-	
Fuel Cell Indicator:	N	
Rechargeable Energy Storage System Indicator:	N	
Rechargeable Energy Storage Device Identifier:	N	
Off Board Charge Capability Indicator:	N	
Test Drive Code:	R	
Shift Indicator Light Usage Identifier:	1	
Aged Component Usage Identifier:	4	
Odometer Correction Details		
Correction Initial Value:		
Correction Factor Value:		
Correction Sign Identifier:	-	



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U.S. Certification

Correction Units Code:	M	
Engine Code Text:	OM654-D20TC-R	
Engine Rated Horsepower Value:	168	
Engine Displacement Value:	1950	
Air Aspiration Details		
Air Aspiration Method Identifier:	TC	
Air Aspiration Device Count:	2	
Air Aspiration Configuration Identifier:	S	
Charge Air Cooler Identifier:	L	
Emissions Control Device Comments Text:		
Transmission Specifications Details		
Light Duty Transmission Type Identifier:	A	
Transmission Lock up Indicator:	Y	
Transmission Creeper Gear Indicator:	N	
Transmission Gear Count:	9	
HYBRID Vehicle Indicator	N	
⁽¹⁾ Vehicle Specifications Details		
Vehicle Class (EPA):	HDV1	
Vehicle Class (CARB):	MDV4	
Curb Weight Value:	7400	
Equivalent Test Weight Value:	8500	
Gross Vehicle Weight Rating Value:	9900	
Adjusted Loaded Vehicle Weight Value:	8650	
Loaded Vehicle Weight Value:	7700	

⁽¹⁾ Adjusted to current model year

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

12.02 Sub-Configuration Range Values

Not applicable for this test group.



13 Sales Volume

13.01 Projected Sales Volume

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

13.02 Projected Conformity with Schedules

Please refer to materials provided with the Compliance Preview Meeting.



14 Request for Certificates

14.01 Request for EPA Certificate of Conformity

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Mercedes-Benz AG | 70546 Stuttgart

Mercedes-Benz

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

Datum/Date
Model Year 2027

Request for Issuance of Certificate of Conformity

Dear Mr. Cullen,

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

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

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

The application is current as of the date of submission.

Mit freundlichen Grüßen/Yours sincerely,

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



14.02 Request for CARB Executive Order

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Mercedes-Benz AG | 70546 Stuttgart

Mercedes-Benz

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

Datum/Date
Model Year 2027

Request for Issuance of Executive Order

Dear Mr. Yang,

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

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

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

The application is current as of the date of submission.

Mit freundlichen Grüßen/Yours sincerely,

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

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



14.03 OBD Approval

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

14.04 EPA Fee Filing Form

Please refer to the attachments for the Fee Filing Forms.

14.05 CARB Fee Filing Form

Please refer to the beginning of this document.



15 Additional Information

15.01 Hybrid System Information

Not applicable for this test group.

15.02 Fuel-Fired Heater

The vehicles covered by this application have fuel-fired heaters installed. Please see Section 16 Confidential Information for further information.

15.03 Exhaust System Leaks & Repair

Please refer to the Common Application for Certification.

15.04 Battery Monitor & Durability

Not applicable for this test group.



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U.S. Certification

16 Confidential Information (FOI)

(Reserved)



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U.S. Certification

Attachments (FOI)

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



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U.S. Certification

Attachment 1: Certification Summary Information (FOI)

Certification Summary Information Report

Manufacturer	Mercedes Benz	Manufacturer Code	MBX
Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	07/03/2026 07:59:45 AM
Model Year	2027		

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
Diesel	Common Rail Direct Diesel Injection	--

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	EPA Vehicle Class	HDV1, M6
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	VMBXDPDNNPP4	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	Yes		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	SMBXD02.0HD2
Test Group OBD Compliance Level	Partial - with deficiencies and penalty	Number of Test Group OBD Deficiencies	5
OBD Deficiencies Comments	--		
Mfr Test Group Comments	Interim Tier 4 Test Group; Sales: Federal = Nationwide (50 states), CA = CA + 177 states		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VMBXD02.0HD4		Evaporative/Refueling Family			--	
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	615 - Sprinter 2500 AWD	Federal	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	613 - Sprinter 2500 AWD	Federal	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	614 - Sprinter 2500 AWD	Federal	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	608 - Sprinter 2500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	611 - Sprinter 2500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	621 - Sprinter 3500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	609 - Sprinter 2500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	615 - Sprinter 2500 AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	620 - Sprinter 3500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	610 - Sprinter 2500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	618 - Sprinter 3500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	618 - Sprinter 3500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	617 - Sprinter 2500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	620 - Sprinter 3500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	609 - Sprinter 2500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	608 - Sprinter 2500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	613 - Sprinter 2500 AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	619 - Sprinter 3500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	612 - Sprinter 2500 AWD	Federal	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	617 - Sprinter 2500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	616 - Sprinter 2500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	619 - Sprinter 3500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	616 - Sprinter 2500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	610 - Sprinter 2500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	614 - Sprinter 2500 AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	611 - Sprinter 2500	Federal	2-Wheel Drive, Rear	Automatic	9	Yes

Certification Summary Information Report

Test Group	VMBXD02.0HD4			Evaporative/Refueling Family		--	
Mercedes Benz	1 - Mercedes-Benz	621 - Sprinter 3500	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	9	Yes
Mercedes Benz	1 - Mercedes-Benz	612 - Sprinter 2500 AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	9	Yes

Engine Description			
Hybrid Type	--	Hybrid Description	--
Engine Type	4-Stroke Compression Ignition	Mfr Engine Description	--
Engine Block Arrangement	Inline	Mfr Engine Block Arrangement Description	--
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	0W30
Number of Cylinders/Rotors	4	Mechanically Variable Compression Ratio Indicator	N

After Treatment Device(s) (ATD)				
ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Oxidation catalyst	Platinum + Palladium	Ceramic	Monolith
2	Selective Catalytic Reduction	no precious metal / copper	Ceramic	Monolith
3	Diesel Particulate Filter	no precious metal / copper	Ceramic	Monolith
4	Selective Catalytic Reduction	no precious metal / copper	Ceramic	Monolith

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

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--
Engine Configuration Number 1			
Engine Displacement (liters)	2.0	Engine Rated Horsepower	208
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	2
Air Aspiration Device Configuration	Series	Charge Air Cooler Type	Liquid
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	No		
Variable Valve Timing System Description	--		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
Number of Knock Sensors	0	Number of Air/Fuel Sensors	0
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	Yes	Cooled Exhaust Gas Recirculation	Yes
EGR Type	Electronic/Electric	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	No		
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	--		

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--								
Engine Configuration Number 2											
Engine Displacement (liters)	2.0	Engine Rated Horsepower	168								
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2								
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	2								
Air Aspiration Device Configuration	Series	Charge Air Cooler Type	Liquid								
Air Aspiration Drive Method(s)	Mechanical										
Cylinder Deactivation	No										
Cylinder Deactivation Description	--										
Variable Valve Timing	No										
Variable Valve Timing System Description	--										
Variable Valve Lift?	No										
Variable Valve Lift System Description	--										
Number of Knock Sensors	0	Number of Air/Fuel Sensors	0								
Mfr Air/Fuel Sensor Comments	--										
Exhaust Gas Recirculation	Yes	Cooled Exhaust Gas Recirculation	Yes								
EGR Type	Electronic/Electric	Exhaust Gas Recirculation Description if 'Other'	--								
Closed Loop Air Injection System	No										
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--								
Mfr Engine Configuration Comments	--										
Official Test Numbers											
Test Group	Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Diesel	SMBX91005939	SMBX10086093	SMBX10086091	--	SMBX91005940	--	15.1	--	16.0	--	
SFTP LEV-III Official Test Numbers											
Test Group	Fuel	FTP	US06	SC03							
Diesel	SMBX91005939	SMBX10086093	SMBX10086091								

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--																														
Emission Data Vehicle Information																																	
Vehicle ID / Configuration	L907DE20TC-Z2550 / 0	Manufacturer Vehicle Configuration Number	0																														
Original Test Group Name	SMBXD02.0HD2	Original Evaporative/Refueling Family	--																														
Original Test Vehicle Model Year	2025																																
Vehicle Model																																	
Represented Test Vehicle Make	Mercedes-Benz	Represented Test Vehicle Model	Sprinter 2500 AWD																														
Leak Family Details																																	
Leak Family Identifier	--	Leak Family Name	--																														
Drive Sources and Fuel System Details																																	
	<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Combustion Engine</td> <td>Diesel</td> </tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Diesel																										
Drive Source and Fuel#	Drive Source	Fuel																															
1	Combustion Engine	Diesel																															
Hybrid Indicator	No																																
Multiple Fuel Storage	--	Multiple Fuel Combustion	--																														
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--																														
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--																														
Off-board charge Capable Indicator	--																																
Odometer Correction -- Initial	12	Odometer Correction Factor	0.9963																														
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles																																
Odometer Correction Units	Miles																																
Engine Code	OM654-20	Rated Horsepower	208																														
Displacement (liters)	1.95																																
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'																															
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Series																														
Charge Air Cooler Type	Liquid	Drive Mode While Testing	All Wheel Drive																														
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)																														
Curb Weight (lbs)	6950	Equivalent Test Weight (pounds)	8000																														
GVWR (lbs)	9050	N/V Ratio	27.9																														
Axle Ratio	3.92																																
Transmission Type	Automatic	# of Transmission Gears	9																														
Transmission Lockup	Yes	Creep Gear	No																														
Dynamometer Coefficients:																																	
	<table border="1"> <tr> <th colspan="3">Target Coefficients</th> <th colspan="3">Set Coefficients</th> <th rowspan="2">EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients</th> </tr> <tr> <th>Coefficient Category</th> <th>A (lbf)</th> <th>B (lbf/mph)</th> <th>C (lbf/mph**2)</th> <th>A (lbf)</th> <th>B (lbf/mph)</th> <th>C (lbf/mph**2)</th> </tr> <tr> <td>City/Highway/Evap</td> <td>86.1</td> <td>1.3745</td> <td>0.04551</td> <td>9.044</td> <td>1.33105</td> <td>0.043879</td> <td>35.8</td> </tr> <tr> <td>US06</td> <td>86.1</td> <td>1.3745</td> <td>0.04551</td> <td>9.044</td> <td>1.33105</td> <td>0.043879</td> <td>N/A</td> </tr> </table>			Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	City/Highway/Evap	86.1	1.3745	0.04551	9.044	1.33105	0.043879	35.8	US06	86.1	1.3745	0.04551	9.044	1.33105	0.043879	N/A
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US06	86.1	1.3745	0.04551	9.044	1.33105	0.043879	N/A																										

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--
Emission Control Device Comments	--		
Manufacturer Test Vehicle Comments	245/75 R16		

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--
Test #	SMBX91005939	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur
Test Date	06/06/2024	Fuel	Diesel
Fuel Batch ID	28879	Fuel Calibration Number	2
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4060	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	U
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--																																																															
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>560.4330444</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>18.1399117</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>502.0508728</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>20.2678032</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>535.6610107</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>18.9964943</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0076772</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.0598863</td><td>--</td></tr><tr><td>METHANE-COMB (Combined CH4 for HD 2b/3 vehicles only)</td><td>0.0048215</td><td>--</td></tr><tr><td>N2O-COMB (Combined Nitrous Oxide for HD 2b/3 vehicles only)</td><td>0.0427272</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-0.7235443</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-0.848917</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-0.8333468</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>19.4386215</td><td>--</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0163826</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0591677</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.001719</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.001719</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0001105</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0089746</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	560.4330444	--	FE BAG 1 (Bag 1 Fuel Economy)	18.1399117	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	502.0508728	--	FE BAG 2 (Bag 2 Fuel Economy)	20.2678032	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	535.6610107	--	FE BAG 3 (Bag 3 Fuel Economy)	18.9964943	--	METHANE (CH4 - Methane)	0.0076772	--	CO (Carbon Monoxide)	0.0598863	--	METHANE-COMB (Combined CH4 for HD 2b/3 vehicles only)	0.0048215	--	N2O-COMB (Combined Nitrous Oxide for HD 2b/3 vehicles only)	0.0427272	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.7235443	--	DT-EER (Drive Trace Energy Economy Rating)	-0.848917	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.8333468	--	MFR FE (Manufacturer Fuel Economy)	19.4386215	--	NOX (Nitrogen Oxide)	0.0163826	--	N2O (Nitrous Oxide)	0.0591677	--	HC-NM (Non-methane Hydrocarbon)	0.001719	--	NMOG (Non-methane organic gases)	0.001719	--	PM (Particulate Matter)	0.0001105	--	HC-TOTAL (Total Hydrocarbon)	0.0089746	--		
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		<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CREE/OPT-CREE</th></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>9999.9999999</td><td>523</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	9999.9999999	523																																																										
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		<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr><tr><td>Carbon dioxide</td><td>523.3638916</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	523.3638916	--																																																										
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Manufacturer Test Comments	Amendment to Report COMP4197005MBX (test number 20240197005, EV-CIS submission SMBX91005939); at IACD request, this test submission was modified to add N2O-COMB and METHANE-COMB (values provided by CD). No other values were changed. EVCIS FTP test number SMBX91005939 and Hwy test number SMBX91005940 were used to calculate this combined result.																																																																	

Certification Summary Information Report

Test Group		VMBXD02.0HD4				Evaporative/Refueling Family				--		
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 HD Class 2b Bin 170	CO	0.06	--	--	0.0396 UP	0.21	--	0.3	4.2	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	CO-COMP	0.32	--	--	0 UP	--	--	0.3	12.0	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	CO2	523	--	--	0 UP	0	--	523	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	METHANE	0.0077	--	--	0 UP	0.0054	--	0.013	99.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	METHANE-COMB	0.005	--	--	0 UP	0.0054	--	0.01	0.05	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	N2O	0.0592	--	--	0 UP	0.0080	--	0.067	99.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	N2O-COMB	0.043	--	--	0 UP	0.0080	--	0.05	0.05	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	NMOG	0.0017	--	1.0	0.0010 UP	0.0107	--	0.013	99.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	NMOG+NOX	0.0181	--	--	0 UP	--	--	0.044	0.170	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	NMOG+NOX-COMP	0.0261	--	--	0 UP	--	--	0.026	0.350	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	NOX	0.0164	--	--	0.0073 UP	0.0068	--	0.030	99.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	PM	0.0001	--	--	0.0007 UP	0.0001	--	0.001	0.008	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	PM-COMP	0.0003	--	--	0 UP	--	--	0.000	0.007	Pass
CA	150,000 miles	California LEV-III SULEV170	CO	0.06	--	--	0.0396 UP	0.21	--	0.3	4.2	Pass
CA	150,000 miles	California LEV-III SULEV170	CO-COMP	0.32	--	--	0 UP	--	--	0.3	12.0	Pass
CA	150,000 miles	California LEV-III SULEV170	CO2	523	--	--	0 UP	0	--	523	--	--
CA	150,000 miles	California LEV-III SULEV170	NMOG	0.0017	--	1.0	0.0010 UP	0.0107	--	0.013	99.999	Pass

Certification Summary Information Report

Test Group		VMBXD02.0HD4			Evaporative/Refueling Family					--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	150,000 miles	California LEV-III SULEV170	NMOG+NOX	0.0181	--	--	0 UP	--	--	0.044	0.170	Pass
CA	150,000 miles	California LEV-III SULEV170	NMOG+NOX-COMP	0.0261	--	--	0 UP	--	--	0.026	0.350	Pass
CA	150,000 miles	California LEV-III SULEV170	NOX	0.0164	--	--	0.0073 UP	0.0068	--	0.030	99.999	Pass
CA	150,000 miles	California LEV-III SULEV170	PM	0.0001	--	--	0.0007 UP	0.0001	--	0.001	0.008	Pass
CA	150,000 miles	California LEV-III SULEV170	PM-COMP	0.0003	--	--	0 UP	--	--	0.000	0.007	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--
Test #	SMBX91005940	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur
Test Date	06/05/2024	Fuel	Diesel
Fuel Batch ID	28879	Fuel Calibration Number	2
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4016	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	U
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
METHANE (CH4 - Methane)	0.0013312	--	
CO (Carbon Monoxide)	0	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.948207	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.4263431	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.5758418	--	
MFR FE (Manufacturer Fuel Economy)	22.993042	--	
NOX (Nitrogen Oxide)	0.0003727	--	
N2O (Nitrous Oxide)	0.0226332	--	
HC-NM (Non-methane Hydrocarbon)	0	--	
NMOG (Non-methane organic gases)	0	--	
HC-TOTAL (Total Hydrocarbon)	0.0011198	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	9999.9999999	443	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	442.5588379	--	
Manufacturer Test Comments	None		

Certification Summary Information Report

Test Group		VMBXD02.0HD4			Evaporative/Refueling Family					--		
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 HD Class 2b Bin 170	CO2	443	--	--	0 UP	0	--	443	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	METHANE	0.0013	--	--	0.0057 UP	0.0054	--	0.012	99.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	N2O	0.0226	--	--	0.0027 UP	0.0080	--	0.033	99.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	NMOG	0.0000	--	1.0	0.0010 UP	0.0107	--	0.012	99.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	NMOG+NOX	0.0004	--	--	0 UP	--	--	0.026	0.170	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 170	NOX	0.0004	--	--	0.0073 UP	0.0068	--	0.014	99.999	Pass
CA	150,000 miles	California LEV-III SULEV170	CO2	443	--	--	0 UP	0	--	443	--	--
CA	150,000 miles	California LEV-III SULEV170	NMOG	0.0000	--	1.0	0.0010 UP	0.0107	--	0.012	99.999	Pass
CA	150,000 miles	California LEV-III SULEV170	NMOG+NOX	0.0004	--	--	0 UP	--	--	0.026	0.170	Pass
CA	150,000 miles	California LEV-III SULEV170	NOX	0.0004	--	--	0.0073 UP	0.0068	--	0.014	99.999	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--
Test #	SMBX10086093	Test Procedure	96 - US06 Bag 2 Only
Exhaust Test # for this Evap Test	--	Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur
Test Date	04/11/2024	Fuel	N/A
Fuel Batch ID	U25D04	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	3918	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	U
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO (Carbon Monoxide)	0.0367036	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-10.183	--
DT-EER (Drive Trace Energy Economy Rating)	-1.569	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-13.362	--
MFR FE (Manufacturer Fuel Economy)	16.5159274	16.5159274
NOX (Nitrogen Oxide)	0.0022434	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
PM (Particulate Matter)	0.0001026	--
HC-TOTAL (Total Hydrocarbon)	0.000461	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	616.062736	--

Manufacturer Test Comments

Previous test submitted incorrectly as full US06 cycle. Correction to US06 Bag 2 only cycle.

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--																																	
Test #	SMBX10086091	Test Procedure	95 - SC03																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur																																	
Test Date	04/11/2024	Fuel	N/A																																	
Fuel Batch ID	U25D04	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	3931	Odometer Units	M																																	
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	U																																	
State of Charge Delta	No																																			
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																	
Test Results																																				
<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>CO (Carbon Monoxide)</td> <td>0.2092949</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>0.376</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>-0.384</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>0.959</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>15.4550946</td> <td>15.4550946</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.0018938</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.0024639</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.0024639</td> <td>--</td> </tr> <tr> <td>PM (Particulate Matter)</td> <td>0.0004329</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.0112612</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO (Carbon Monoxide)	0.2092949	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.376	--	DT-EER (Drive Trace Energy Economy Rating)	-0.384	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.959	--	MFR FE (Manufacturer Fuel Economy)	15.4550946	15.4550946	NOX (Nitrogen Oxide)	0.0018938	--	HC-NM (Non-methane Hydrocarbon)	0.0024639	--	NMOG (Non-methane organic gases)	0.0024639	--	PM (Particulate Matter)	0.0004329	--	HC-TOTAL (Total Hydrocarbon)	0.0112612	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																		
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HC-TOTAL (Total Hydrocarbon)	0.0112612	--																																		
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated CO2</th> </tr> </thead> <tbody> <tr> <td>Carbon dioxide</td> <td>658.0476745</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	658.0476745	--																											
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																		
Carbon dioxide	658.0476745	--																																		
Manufacturer Test Comments	--																																			

Certification Summary Information Report

Test Group	VMBXD02.0HD4	Evaporative/Refueling Family	--
Fuel Properties			
Fuel Batch ID	U25D04	Fuel Calibration Number	1
Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur	Fuel Batch Calibration Date	12/11/2023
Fuel Batch Calibration Effective Date	04/08/2024	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	0.853
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18381
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.873	Weight Fraction CO2	--
Fuel Batch ID	28879	Fuel Calibration Number	2
Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur	Fuel Batch Calibration Date	07/25/2023
Fuel Batch Calibration Effective Date	07/25/2023	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	0.858
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18396
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.869	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VMBXD02.0HD4			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)			Standard Level			California LEV-III SULEV170	
Fuel		Diesel			Test Procedure			CVS 75 and later (w/o can. load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	0.0396	0	--	0.21	4.2
150,000 miles	CO-COMP	--	--	--	0	0	--	--	12.0
150,000 miles	CO2	--	--	--	0	0	--	0	999.99
150,000 miles	HCHO	--	--	--	0.000018	0	--	0.0002	0.006
150,000 miles	NMOG	--	--	1.0	0.0010	0	--	0.0107	99.999
150,000 miles	NMOG+NOX	--	--	--	0	0	1	--	0.170
150,000 miles	NMOG+NOX-COMP	--	--	--	0	0	--	--	0.350
150,000 miles	NOX	--	--	--	0.0073	0	--	0.0068	99.999
150,000 miles	PM	--	--	--	0.0007	0	--	0.0001	0.008
150,000 miles	PM-COMP	--	--	--	0	0	--	--	0.007

Certification Summary Information Report

Test Group	VMBXD02.0HD4				Evaporative/Refueling Family				--
Cert Region	Federal				Cert/In-Use Code				Both
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)				Standard Level				Federal Tier 3 HD Class 2b Bin 170
Fuel	Diesel				Test Procedure				CVS 75 and later (w/o can. load)
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	0.0396	0	--	0.21	4.2
150,000 miles	CO-COMP	--	--	--	0	0	--	--	12.0
150,000 miles	CO2	--	--	--	0	0	--	0	999.99
150,000 miles	HCHO	--	--	--	0.000018	0	--	0.0002	0.006
150,000 miles	METHANE	--	--	--	0	0	--	0.0054	99.999
150,000 miles	METHANE-COMB	--	--	--	0	0	--	0.0054	0.05
150,000 miles	N2O	--	--	--	0	0	--	0.0080	99.999
150,000 miles	N2O-COMB	--	--	--	0	0	--	0.0080	0.05
150,000 miles	NMOG	--	--	1.0	0.0010	0	--	0.0107	99.999
150,000 miles	NMOG+NOX	--	--	--	0	0	1	--	0.170
150,000 miles	NMOG+NOX-COMP	--	--	--	0	0	--	--	0.350
150,000 miles	NOX	--	--	--	0.0073	0	--	0.0068	99.999
150,000 miles	PM	--	--	--	0.0007	0	--	0.0001	0.008
150,000 miles	PM-COMP	--	--	--	0	0	--	--	0.007

Cert Region	Federal				Cert/In-Use Code				Both
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)				Standard Level				Federal Tier 3 HD Class 2b Bin 170
Fuel	Diesel				Test Procedure				HWFE
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO2	--	--	--	0	0	--	0	999.99
150,000 miles	METHANE	--	--	--	0.0057	0	--	0.0054	99.999
150,000 miles	METHANE-COMB	--	--	--	0	0	--	0.0054	0.05
150,000 miles	N2O	--	--	--	0.0027	0	--	0.0080	99.999
150,000 miles	N2O-COMB	--	--	--	0	0	--	0.0080	0.05
150,000 miles	NMOG	--	--	1.0	0.0010	0	--	0.0107	99.999
150,000 miles	NMOG+NOX	--	--	--	0	0	1	--	0.170
150,000 miles	NOX	--	--	--	0.0073	0	--	0.0068	99.999

Certification Summary Information Report

Test Group		VMBXD02.0HD4			Evaporative/Refueling Family			--	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)			Standard Level			California LEV-III SULEV170	
Fuel		Diesel			Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO2	--	--	--	0	0	--	0	999.99
150,000 miles	NMOG	--	--	1.0	0.0010	0	--	0.0107	99.999
150,000 miles	NMOG+NOX	--	--	--	0	0	1	--	0.170
150,000 miles	NOX	--	--	--	0.0073	0	--	0.0068	99.999

Certification Summary Information Report

Test Group		VMBXD02.0HD4	Evaporative/Refueling Family		--
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		VMBXD02.0HD4	Evaporative/Refueling Family		--
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		VMBXD02.0HD4	Evaporative/Refueling Family		--
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		VMBXD02.0HD4		Evaporative/Refueling Family		--	
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: 05/27/2026

Process Code *

Submit Correction/Revision to Previous Fee Filing Form

Manufacturer Code *

MBX

Manufacturer Name *

MERCEDES-BENZ GROUP AG

Contact Name *

ANTHONY WASHINGTON

Contact Email Address *

ANTHONY.WASHINGTON@MBUSA.COM

Contact Phone *

8548883206

Engine Family / Evaporative Family / Test Group *

VMBXD02.0HD2

Revised Engine Family / Evaporative Family /
Test Group

VMBXD02.0HD4

Original Payment Information

Payment Date *

02/06/2026



Amount Paid *

\$32,317.00

Check#/Wire/ACH/Pay.gov Tracking Number *

27V1RKT0

Reason for Correction

Reason For Correction *

- ☐ Typographical error in original Engine Family / Evaporative Family / Test Group
- ☐ Overpayment for original family name, please apply the overpayment to the revised Engine Family / Evaporative Family / Test Group
- ☒ Other (explain in comments box)

Comments *

This Test Group is being postponed.

EPA Form Number 3520-29

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Approval expires 7/31/2027

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