

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

**CARB USE ONLY**

<b>Invoice Name</b>	MSF250697
<b>Invoice Date</b>	Jan 15, 2026

**COMPANY INFORMATION**

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

**APPLICATION INFORMATION**

Payment Row Number	Product Description or File Name	Model Year/Calendar Year	Unique Application Identifier: Test Group, Engine Family, Trailer Family, Vehicle Family, ZEP Family, if applicable (ID listed in payment row must match the unique identifier given to the certification application)	Category Type	Fee Type	Amount
1	n/a	Model Year 2027	VMBXT00.0ED3	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
2	n/a	Model Year 2027	VMBXT00.0ED4	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
3	n/a	Model Year 2027	VMBXV00.0E10	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
4	n/a	Model Year 2027	VMBXV00.0ED1	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
5	n/a	Model Year 2027	VMBXV00.0ED2	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
6	n/a	Model Year 2027	VMBXV00.0ED3	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
7	n/a	Model Year 2027	VMBXV00.0ED4	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
8	n/a	Model Year 2027	VMBXV00.0ED5	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
9	n/a	Model Year 2027	VMBXV00.0ED8	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00

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

				medium-duty vehicle test group		
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<b>Total Due</b>	\$ 1,232,568.00
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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](mailto:noreply@salesforce.com) <[noreply@salesforce.com](mailto:noreply@salesforce.com)> **On Behalf Of** California Air  
**Sent:** Wednesday, February 11, 2026 10:47 AM  
**To:** Healey, John (171) <[john.healey@mbusa.com](mailto: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

<b>Model(s) Covered:</b>	EQS 550 4MATIC (SUV) EQS 400 4MATIC (SUV)
<b>Test Group:</b>	VMBXT00.0ED3
<b>Test Group Description:</b>	Battery Electric Vehicle
<b>Durability Group:</b>	VMBXEEVNNED1
<b>Durability Group Description:</b>	N/A
<b>Evaporative Family:</b>	N/A
<b>EPA Summary Sheet No.:</b>	CSI-VMBXT00.0ED3
<b>Applicable Standards:</b>	Federal – Tier 4 BIN 0 California - ACC I ZEV
<b>OBD Group:</b>	N/A
<b>Vehicle(s) Tested:</b>	X296PSM140Df-PSM245r-EB408 4x4 - Z2485 X296PSM140Df-PSM245r-EB408 red 4x4 - Z2484
<b>Vehicle(s) Tested EVAP:</b>	N/A



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## Revision History

Issue Date / Revision Date	Affected Sections	Description of Changes
05-May-2026	All	Initial Version



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# 1 Correspondence

## 1.01 EPA Responsible Official

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

## 1.02 CARB Responsible Official

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

## 1.03 Mailing Information

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



## 2 Durability Group

### 2.01 Logic for Defining Durability Group

Please refer to the Common Application for Certification.



## 3 Evaporative/Refueling Family

### 3.01 Logic for Defining Evaporative/Refueling Family

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



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## 4 Durability Procedure

### 4.01 Exhaust Durability

Not applicable for battery electric vehicles.

### 4.02 Evaporative/Refueling Durability

Not applicable for battery electric vehicles.

### 4.03 Durability Equivalency Factors

Not applicable for battery electric vehicles.



## 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	VMBXT00.0ED3	Carry-Over of Test Result
EVAP	N/A	N/A
Durability	N/A	N/A



## 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.



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## 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.



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## 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

Not applicable for battery electric vehicles.



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## 10 Alternate-Fueled Vehicles

### 10.01 Applicability

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



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## 11 Auxiliary Emissions Control Devices

### 11.01 AECD Document

Not applicable for battery electric vehicles.



## 12 Vehicles Covered by Certificate

### 12.01 Vehicle Information & Test Parameters

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

	Vehicle 1 (FEDV)	Vehicle 2 (FEDV)
Vehicle Identification Text:	X296ed140f245r-Z2485	X296ed140f245r-Z2484
Actual Test Vehicle Make Text:	Mercedes-Benz	Mercedes-Benz
Actual Test Vehicle Model Text:	EQS 550 4MATIC (SUV)	EQS 400 4MATIC (SUV)
Carline Class:	Standard SUV 4WD	Standard SUV 4WD
Evaporative Refueling Family Name:	n/a	n/a
Drive Source Details 1		
Drive Source Identifier:	E	E
Fuel Identifier:	EL	EL
Drive Source Details 2		
Drive Source Identifier:	-	-
Fuel Identifier:	-	-
Fuel Cell Indicator:	N	N
Rechargeable Energy Storage System Indicator:	Y	Y
Rechargeable Energy Storage Device Identifier:	B	B
Off Board Charge Capability Indicator:	Y	Y
Test Drive Code:	A	A
Shift Indicator Light Usage Identifier:	1	1
Aged Component Usage Identifier:	4	4
<b>Odometer Correction Details</b>		
Correction Initial Value:	112	70
Correction Factor Value:	0.9854	0.9926
Correction Sign Identifier:	-	-
Correction Units Code:	M	M
Engine Code Text:	PSM140-PSM245	PSM140-PSM245
Engine Rated Horsepower Value:	536	355
Engine Displacement Value:	0	0
<b>Air Aspiration Details</b>		
Air Aspiration Method Identifier:	OT	OT
Air Aspiration Device Count:	0	0
Air Aspiration Configuration Identifier:		
Charge Air Cooler Identifier:	L	L
Emissions Control Device Comments Text:		
<b>Transmission Specifications Details</b>		
Light Duty Transmission Type Identifier:	A	A
Transmission Lock up Indicator:	Y	Y
Transmission Creeper Gear Indicator:	N	N
Transmission Gear Count:	1	1
HYBRID Vehicle Indicator	N	N
<b><sup>(1)</sup> Vehicle Specifications Details</b>		
Vehicle Class (EPA):	LDT4	LDT4
Vehicle Class (CARB):	LDT2	LDT2



Curb Weight Value:	6335	6335
Equivalent Test Weight Value:	6500	6500
Gross Vehicle Weight Rating Value:	7518	7518
Adjusted Loaded Vehicle Weight Value:	6926.5	6926.5
Loaded Vehicle Weight Value:	6635	6635
<b>Vehicle Subconfigs Details</b>		
Vehicle Configuration Number:	0	0
Manufacturer Vehicle Configuration Number:	0	0
Tire Description:	Tire 1 (ZEV)	Tire 1 (ZEV)
Front:	275/40 R22	275/40 R22
Rear:	285/40 R22	285/40 R22
Total Road Load Horsepower Value:	16.22	16.24
NV Ratio Value:	108	108
Axle Ratio Value:	1	1
Test Drive Mode (cycle based):	Default	Default
Test Procedure Dynamometer Coefficients		
Target Coefficient A Value:	51.03	50.58
Target Coefficient B Value:	0.4521	0.4521
Target Coefficient C Value:	0.01921	0.01944
Vehicle Configuration Number:	1	1
Manufacturer Vehicle Configuration Number:	1	1
Tire Description:	Tire 2 (Label)	Tire 2 (Label)
Front:	275/45 R21	275/45 R21
Rear:	285/45 R21	285/45 R21
Total Road Load Horsepower Value:	15.64	15.66
NV Ratio Value:	108	108
Axle Ratio Value:	1	1
Test Drive Mode:	Default	Default
Test Procedure Dynamometer Coefficients		
Target Coefficient A Value:	48.11	47.66
Target Coefficient B Value:	0.4521	0.4521
Target Coefficient C Value:	0.01862	0.01886

<sup>(1)</sup> Adjusted to current model year

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



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## 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.



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## 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



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## 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.



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## 15 Additional Information

### 15.01 Hybrid System Information

Not applicable for this test group.

### 15.02 Fuel-Fired Heater

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

### 15.03 Exhaust System Leaks & Repair

Not applicable for battery electric vehicles.

### 15.04 Battery Monitor & Durability

Please refer to Section 16 Confidential Information.



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## 16 Confidential Information (FOI)

(Reserved)



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## Attachments

1	<a href="#">Certification Summary Information (FOI)</a>
2	<a href="#">EPA Fee Filing Form (FOI)</a>



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## Attachment 1: Certification Summary Information (FOI)



### Certification Summary Information Report

<b>Test Group</b>	VMBXT00.0ED3	<b>Evaporative/Refueling Family</b>	--
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**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	917 - EQS 400 4MATIC (SUV)	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Mercedes Benz	1 - Mercedes-Benz	917 - EQS 400 4MATIC (SUV)	Federal	All Wheel Drive	Automatic	1	No
Mercedes Benz	1 - Mercedes-Benz	918 - EQS 550 4MATIC (SUV)	Federal	All Wheel Drive	Automatic	1	No
Mercedes Benz	1 - Mercedes-Benz	918 - EQS 550 4MATIC (SUV)	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No

**Engine Description**

<b>Hybrid Type</b>	--	<b>Hybrid Description</b>	--
<b>Engine Type</b>	--	<b>Mfr Engine Description</b>	--
<b>Engine Block Arrangement</b>	--	<b>Mfr Engine Block Arrangement Description</b>	--
<b>Camless Valvetrain Indicator</b>	--	<b>Oil Viscosity/Classification</b>	
<b>Number of Cylinders/Rotors</b>	--	<b>Mechanically Variable Compression Ratio Indicator</b>	--

**After Treatment Device(s) (ATD)**

<b>Mfr After Treatment Device (ATD) Comments</b>	--
<b>Direct Ozone Reduction (DOR) Device</b>	--
<b>Mfr Emission Control Device Comments</b>	--

**Official Test Numbers**

Test Group	Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity		--	--	--	--	--	--	--	--	--	--

## Certification Summary Information Report

Test Group	VMBXT00.0ED3	Evaporative/Refueling Family	--
<b>Hybrid Electric Vehicle And Fuel Cell Information</b>			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	12
Total Voltage of Battery Packs	396	Battery Energy Capacity	308
Battery Specific Energy	171.3	Battery Charger Type	On-Board
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	Yes
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	2		
Motor/Generator Type 1	AC 6 Phase permanent magnet	Rated Motor/Generator Power	265
Motor/Generator Type 2	AC 3 Phase permanent magnet	Rated Motor/Generator Power	135
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	EQS 400 4MATIC (SUV): AC 3 Phase permanent magnet = 88 KW/ AC 6 Phase permanent magnet = 178 KW, EQS 550 4MATIC (SUV): AC 3 Phase permanent magnet = 135 KW/ AC 6 Phase permanent magnet = 265 KW,		

## Certification Summary Information Report

<b>Test Group</b>	VMBXT00.0ED3		<b>Evaporative/Refueling Family</b>	--							
<b>Emission Data Vehicle Information</b>											
<b>Vehicle ID / Configuration</b>	X296ed140f245r-Z2484 / 0		<b>Manufacturer Vehicle Configuration Number</b>	0							
<b>Original Test Group Name</b>	RMBXT00.0ED2		<b>Original Evaporative/Refueling Family</b>	--							
<b>Original Test Vehicle Model Year</b>	2024										
<b>Vehicle Model</b>											
<b>Represented Test Vehicle Make</b>	Mercedes-Benz		<b>Represented Test Vehicle Model</b>	EQS 450 4MATIC (SUV)							
<b>Leak Family Details</b>											
<b>Leak Family Identifier</b>	--		<b>Leak Family Name</b>	--							
<b>Drive Sources and Fuel System Details</b>											
<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </tbody> </table>						Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel									
1	Electric Motor	Electricity									
<b>Hybrid Indicator</b>	No		<b>Multiple Fuel Combustion</b>	--							
<b>Multiple Fuel Storage</b>	--		<b>Rechargeable Energy Storage System Indicator</b>	Yes							
<b>Fuel Cell Indicator</b>	No		<b>Rechargeable Energy Storage System, if 'Other'</b>	--							
<b>Rechargeable Energy Storage System</b>	Battery(s)										
<b>Off-board charge Capable Indicator</b>	Yes		<b>Odometer Correction Factor</b>	0.9926							
<b>Odometer Correction -- Initial</b>	70										
<b>Odometer Correction Sign</b>	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor										
<b>Odometer Correction Units</b>	Miles										
<b>Engine Code</b>	PSM140-PSM245		<b>Rated Horsepower</b>	355							
<b>Displacement (liters)</b>	0.001										
<b>Air Aspiration Method</b>	Naturally Aspirated		<b>Air Aspiration Method, if 'Other'</b>								
<b>Number of Air Aspiration Devices</b>	--		<b>Air Aspiration Device Configuration</b>	--							
<b>Charge Air Cooler Type</b>	--		<b>Drive Mode While Testing</b>	All Wheel Drive							
<b>Shift Indicator Light Usage</b>	Not equipped		<b>Aged Emission Components</b>	4,000 (mi)							
<b>Curb Weight (lbs)</b>	6341		<b>Equivalent Test Weight (pounds)</b>	6500							
<b>GVWR (lbs)</b>	7782		<b>N/V Ratio</b>	108							
<b>Axle Ratio</b>	1										
<b>Transmission Type</b>	Automatic		<b># of Transmission Gears</b>	1							
<b>Transmission Lockup</b>	Yes		<b>Creeper Gear</b>	No							
<b>Dynamometer Coefficients:</b>											
<b>Target Coefficients</b>			<b>Set Coefficients</b>			<b>EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients</b>					
<b>Coefficient Category</b>	<b>A (lbf)</b>	<b>B (lbf/mph)</b>	<b>C (lbf/mph**2)</b>	<b>A (lbf)</b>	<b>B (lbf/mph)</b>		<b>C (lbf/mph**2)</b>				
<b>City/Highway/Evap</b>	50.58	0.4521	0.01944	9.52	-0.20201		0.023728				
<b>US06</b>	50.58	0.4521	0.01944	9.52	-0.20201	0.023728	16.2				
							N/A				

## Certification Summary Information Report

Test Group	VMBXT00.0ED3	Evaporative/Refueling Family	--
<b>Emission Control Device Comments</b>	--		
<b>Manufacturer Test Vehicle Comments</b>	----285/40 R22 ---- ZEV configuration / The dyno match was calculated using the fix run method per SAE J2264		
<b>Test #</b>	<b>RMBX10083238</b>	<b>Test Procedure</b>	<b>81 - Charge Depleting UDDS</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	10/27/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	3953 Research Park Drive		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	2780	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	133.12
<b>Charge Depleting Range (Calculated miles)</b>	450.184	<b>Charge Depleting Range (Actual miles)</b>	450.184
<b>Charge Depleting Range Highway (Calculated miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Equivalent All Electric Range (miles)</b>	450.184
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase #1</b>			
<b>Test Result/Emission Name</b>		<b>Unrounded Test Result</b>	
Actual Distance Driven (miles)		417.47	
Carbon Monoxide		0	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		1.60638	
Drive Trace Energy Economy Rating		0.75352	
Drive Trace Inertia Work Ratio Rating		2.72432	
Integrated DC KW-HRS		120.084	
Manufacturer Fuel Economy		113.98	
<b>Manufacturer Test Comments</b>	DC energy consumption UDDS1 = 285.6 Wh/mi; UDDS2 = 270.6 Wh/mi; UDDS3 = 262.1 Wh/mi; UDDS4 = 266.6 Wh/mi; UDDS weighted = 266.7 Wh/mi; UDDS1 DC discharge energy = 2119 Wh; MCT UBE energy = 120,084 Wh		

### Certification Summary Information Report

<b>Test Group</b>	VMBXT00.0ED3	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>RMBX10083239</b>	<b>Test Procedure</b>	<b>84 - Charge Depleting Highway</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	10/27/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	3953 Research Park Drive		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	2780	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

**PHEV/EV Charge Depleting Test Information**

<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	133.12
<b>Charge Depleting Range (Calculated miles)</b>	429.519	<b>Charge Depleting Range (Actual miles)</b>	429.519
<b>Charge Depleting Range Highway (Calculated miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Equivalent All Electric Range (miles)</b>	429.519
<b>Number of Charge Depleting Bags/Phases Conducted</b>	2	<b>Transition Bag/Phase Number</b>	--

**Charge Depleting Bag/Phase #1**

Test Result/Emission Name	Unrounded Test Result
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.75588
Drive Trace Energy Economy Rating	0.47122
Drive Trace Inertia Work Ratio Rating	4.35503
Manufacturer Fuel Economy	108.75
System End State of Charge Watt-hours	0
System Start State of Charge Watt-hours	120.084

**Manufacturer Test Comments**

DC energy consumption HWFE1 = 283.3 Wh/mi; HWFE2 = 275.8 Wh/mi; HWFE average = 279.6 Wh/mi



## Certification Summary Information Report

Test Group		VMBXT00.0ED3			Evaporative/Refueling Family			--
<b>Dynamometer Coefficients:</b>								
		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	47.66	0.4521	0.01886	10.43	-0.16898	0.022859	15.7	
Cold CO	52.426	0.49731	0.020746	3.118	-0.5622	0.02811	N/A	
US06	47.66	0.4521	0.01886	10.43	-0.16898	0.022859	N/A	
Emission Control Device Comments	--							
Manufacturer Test Vehicle Comments	-----285/45 R21; FEDV configuration; MCT set coefficients: A=12.27, B=-0.2597, C=0.02417 / The dyno match was calculated using the fix run method per SAE J2264							

### Certification Summary Information Report

<b>Test Group</b>	VMBXT00.0ED3	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>RMBX10086496</b>	<b>Test Procedure</b>	<b>77 - Multi-Cycle Test (MCT)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	10/13/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	3953 Research Park Drive		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	2371	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

**PHEV/EV Charge Depleting Test Information**

Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	133.836
Charge Depleting Range (Calculated miles)	459.01	Charge Depleting Range (Actual miles)	459.01
Charge Depleting Range Highway (Calculated miles)	440.21	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	459.01
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--

**Charge Depleting Bag/Phase #1**

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.406
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.4998913
Drive Trace Energy Economy Rating	-0.0046698
Drive Trace Inertia Work Ratio Rating	2.189207
Integrated DC KW-HRS	2.0658193
Manufacturer Fuel Economy	27.89502

**Charge Depleting Bag/Phase #2**

## Certification Summary Information Report

Test Group	VMBXT00.0ED3	Evaporative/Refueling Family	--																
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.24</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>1.4998913</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.0046698</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>2.189207</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.8284549</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>27.6205903</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.24	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.4998913	Drive Trace Energy Economy Rating	-0.0046698	Drive Trace Inertia Work Ratio Rating	2.189207	Integrated DC KW-HRS	2.8284549	Manufacturer Fuel Economy	27.6205903
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.24																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.4998913																		
Drive Trace Energy Economy Rating	-0.0046698																		
Drive Trace Inertia Work Ratio Rating	2.189207																		
Integrated DC KW-HRS	2.8284549																		
Manufacturer Fuel Economy	27.6205903																		
<b>Charge Depleting Bag/Phase #3</b>																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.408</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>1.4998913</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.0046698</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>2.189207</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.9427652</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>26.2250024</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.408	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.4998913	Drive Trace Energy Economy Rating	-0.0046698	Drive Trace Inertia Work Ratio Rating	2.189207	Integrated DC KW-HRS	1.9427652	Manufacturer Fuel Economy	26.2250024
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Manufacturer Fuel Economy	26.2250024																		
<b>Charge Depleting Bag/Phase #4</b>																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>261.902</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>1.4998913</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.0046698</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>2.189207</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>86.6082416</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>33.068933</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	261.902	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.4998913	Drive Trace Energy Economy Rating	-0.0046698	Drive Trace Inertia Work Ratio Rating	2.189207	Integrated DC KW-HRS	86.6082416	Manufacturer Fuel Economy	33.068933
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	261.902																		
Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	-0.0046698																		
Drive Trace Inertia Work Ratio Rating	2.189207																		
Integrated DC KW-HRS	86.6082416																		
Manufacturer Fuel Economy	33.068933																		
<b>Charge Depleting Bag/Phase #5</b>																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.456</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>1.4998913</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.0046698</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>2.189207</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.9238422</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>25.8013986</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.456	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.4998913	Drive Trace Energy Economy Rating	-0.0046698	Drive Trace Inertia Work Ratio Rating	2.189207	Integrated DC KW-HRS	1.9238422	Manufacturer Fuel Economy	25.8013986
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.456																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.4998913																		
Drive Trace Energy Economy Rating	-0.0046698																		
Drive Trace Inertia Work Ratio Rating	2.189207																		
Integrated DC KW-HRS	1.9238422																		
Manufacturer Fuel Economy	25.8013986																		
<b>Charge Depleting Bag/Phase #6</b>																			

## Certification Summary Information Report

<b>Test Group</b>	VMBXT00.0ED3	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.265
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.4998913
Drive Trace Energy Economy Rating	-0.0046698
Drive Trace Inertia Work Ratio Rating	2.189207
Integrated DC KW-HRS	2.7334473
Manufacturer Fuel Economy	26.6288469

## Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.437
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.4998913
Drive Trace Energy Economy Rating	-0.0046698
Drive Trace Inertia Work Ratio Rating	2.189207
Integrated DC KW-HRS	1.9274439
Manufacturer Fuel Economy	25.9160655

## Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	58.749
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.4998913
Drive Trace Energy Economy Rating	-0.0046698
Drive Trace Inertia Work Ratio Rating	2.189207
Integrated DC KW-HRS	19.375309
Manufacturer Fuel Economy	32.979899

## Manufacturer Test Comments

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### Certification Summary Information Report

<b>Test Group</b>	VMBXT00.0ED3	<b>Evaporative/Refueling Family</b>	--
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**Emission Data Vehicle Information**

Vehicle ID / Configuration	X296ed140f245r-Z2485 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	RMBXT00.0ED2	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2024		
<b>Vehicle Model</b>			
Represented Test Vehicle Make	Mercedes-Benz	Represented Test Vehicle Model	EQS 580 4MATIC (SUV)

**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	Electric Motor	Electricity

Hybrid Indicator	No	Multiple Fuel Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Fuel Cell Indicator	No	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	Battery(s)		
Off-board charge Capable Indicator	Yes	Odometer Correction Factor	0.9854
Odometer Correction -- Initial	112	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor	
Odometer Correction Sign			
Odometer Correction Units	Miles	Rated Horsepower	536
Engine Code	PSM140-PSM245	Air Aspiration Method, if 'Other'	
Displacement (liters)	0.001	Air Aspiration Device Configuration	--
Air Aspiration Method	Naturally Aspirated	Drive Mode While Testing	All Wheel Drive
Number of Air Aspiration Devices	--	Aged Emission Components	4,000 (mi)
Charge Air Cooler Type	--	Equivalent Test Weight (pounds)	6500
Shift Indicator Light Usage	Not equipped	N/V Ratio	108
Curb Weight (lbs)	6385	# of Transmission Gears	1
GVWR (lbs)	7782	Creeper Gear	No
Axle Ratio	1		
Transmission Type	Automatic		
Transmission Lockup	Yes		

**Dynamometer Coefficients:**

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	51.03	0.4521	0.01921	9.01	-0.23694	0.023916	16.2
US06	51.03	0.4521	0.01921	9.01	-0.23694	0.023916	N/A

## Certification Summary Information Report

Test Group	VMBXT00.0ED3	Evaporative/Refueling Family	--
<b>Emission Control Device Comments</b>	--		
<b>Manufacturer Test Vehicle Comments</b>	----285/40 R22 ---- ZEV configuration / The dyno match was calculated using the fix run method per SAE J2264		
<b>Test #</b>	<b>RMBX10083240</b>	<b>Test Procedure</b>	<b>81 - Charge Depleting UDDS</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	10/06/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	3953 Research Park Drive		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	2040	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	135.221
<b>Charge Depleting Range (Calculated miles)</b>	462.852	<b>Charge Depleting Range (Actual miles)</b>	462.852
<b>Charge Depleting Range Highway (Calculated miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Equivalent All Electric Range (miles)</b>	462.852
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase #1</b>			
<b>Test Result/Emission Name</b>		<b>Unrounded Test Result</b>	
Actual Distance Driven (miles)		429.232	
Carbon Monoxide		0	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.59459	
Drive Trace Energy Economy Rating		0.82338	
Drive Trace Inertia Work Ratio Rating		2.10556	
Integrated DC KW-HRS		121.067	
Manufacturer Fuel Economy		115.37	
<b>Manufacturer Test Comments</b>	DC energy consumption UDDS1 = 275.4 Wh/mi; UDDS2 = 266.2 Wh/mi; UDDS3 = 258.3 Wh/mi; UDDS4 = 259.5 Wh/mi; UDDS weighted = 261.6 Wh/mi; UDDS1 DC discharge energy = 2050 Wh; MCT UBE energy = 121,067 Wh		

### Certification Summary Information Report

<b>Test Group</b>	VMBXT00.0ED3	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>RMBX10083241</b>	<b>Test Procedure</b>	<b>84 - Charge Depleting Highway</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	10/06/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	3953 Research Park Drive		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	2040	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

**PHEV/EV Charge Depleting Test Information**

<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	135.22
<b>Charge Depleting Range (Calculated miles)</b>	440.405	<b>Charge Depleting Range (Actual miles)</b>	440.405
<b>Charge Depleting Range Highway (Calculated miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Equivalent All Electric Range (miles)</b>	440.405
<b>Number of Charge Depleting Bags/Phases Conducted</b>	2	<b>Transition Bag/Phase Number</b>	--

**Charge Depleting Bag/Phase #1**

Test Result/Emission Name	Unrounded Test Result
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.53676
Drive Trace Energy Economy Rating	0.00374
Drive Trace Inertia Work Ratio Rating	3.30808
Manufacturer Fuel Economy	109.77
System End State of Charge Watt-hours	0
System Start State of Charge Watt-hours	121.067

**Manufacturer Test Comments**

DC energy consumption HWFE1 = 279.1 Wh/mi; HWFE2 = 270.7 Wh/mi; HWFE average = 274.9 Wh/mi



## Certification Summary Information Report

Test Group		VMBXT00.0ED3			Evaporative/Refueling Family			--
<b>Dynamometer Coefficients:</b>								
		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	48.11	0.4521	0.01862	12	-0.19905	0.022678	15.6	
Cold CO	52.92	0.49731	0.020482	0.57	-0.50494	0.026285	N/A	
US06	48.11	0.4521	0.01862	12	-0.19905	0.022678	N/A	
Emission Control Device Comments	--							
Manufacturer Test Vehicle Comments	-----285/45 R21; FEDV configuration / The dyno match was calculated using the fix run method per SAE J2264							

## Certification Summary Information Report

Test Group	VMBXT00.0ED3	Evaporative/Refueling Family	--
<b>Test #</b>	<b>RMBX10086497</b>	<b>Test Procedure</b>	<b>77 - Multi-Cycle Test (MCT)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	12/05/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	3953 Research Park Drive		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	2581	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	--		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	133.732
<b>Charge Depleting Range (Calculated miles)</b>	471.96	<b>Charge Depleting Range (Actual miles)</b>	471.96
<b>Charge Depleting Range Highway (Calculated miles)</b>	449.43	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Equivalent All Electric Range (miles)</b>	471.96
<b>Number of Charge Depleting Bags/Phases Conducted</b>	8	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase #1</b>			
<b>Test Result/Emission Name</b>		<b>Unrounded Test Result</b>	
Actual Distance Driven (miles)		7.44	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		1.1699835	
Drive Trace Energy Economy Rating		0.0679885	
Drive Trace Inertia Work Ratio Rating		1.6582217	
Integrated DC KW-HRS		2.0396188	
Manufacturer Fuel Economy		27.414914	
<b>Charge Depleting Bag/Phase #2</b>			

## Certification Summary Information Report

Test Group	VMBXT00.0ED3	Evaporative/Refueling Family	--																
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Manufacturer Fuel Economy	27.17163																		
<b>Charge Depleting Bag/Phase #3</b>																			
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Manufacturer Fuel Economy	25.989959																		
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<b>Charge Depleting Bag/Phase #5</b>																			
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Integrated DC KW-HRS	1.8602292																		
Manufacturer Fuel Economy	25.03338																		
<b>Charge Depleting Bag/Phase #6</b>																			

## Certification Summary Information Report

Test Group	VMBXT00.0ED3	Evaporative/Refueling Family	--																
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<b>Charge Depleting Bag/Phase #7</b>																			
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Manufacturer Fuel Economy	32.9585004																		
<b>Manufacturer Test Comments</b>	--																		
<b>Fuel Properties</b>																			

### Certification Summary Information Report

<b>Test Group</b>		VMBXT00.0ED3			<b>Evaporative/Refueling Family</b>			--		
<b>Consolidated List of Standards</b>										
<b>Exhaust Standards</b>										
<b>Cert Region</b>		California + CAA Section 177 states			<b>Cert/In-Use Code</b>			Both		
<b>Vehicle Class</b>		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			<b>Standard Level</b>			California ZEV		
<b>Fuel</b>		Electricity			<b>Test Procedure</b>			CVS 75 and later (w/o can. load)		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
120,000 miles	CREE	--	--	--	--	--	--	0	0	
150,000 miles	CO	--	--	--	--	--	--	0	0.0	
<b>Exhaust Standards</b>										
<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Both		
<b>Vehicle Class</b>		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			<b>Standard Level</b>			Federal Tier 4 Bin 0		
<b>Fuel</b>		Electricity			<b>Test Procedure</b>			CVS 75 and later (w/o can. load)		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
120,000 miles	CREE	--	--	--	--	--	--	0	0	
150,000 miles	CO	--	--	--	--	--	--	0	0.0	

## Certification Summary Information Report

Test Group	VMBXT00.0ED3	Evaporative/Refueling Family	--
<b>Glossary</b>			
<b>Useful Life</b>			
4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		
<b>Emission Name</b>			
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		VMBXT00.0ED3	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	
<b>Certification Region</b>					
CA	California + CAA Section 177 states		FA	Federal	
<b>Exhaust Emission Standard Level</b>					
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	VMBXT00.0ED3	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		
<b>Transmission Type Code</b>			
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)
<b>Drive System Code</b>			
4	4-Wheel Drive	P	Part-time 4-Wheel Drive

**Certification Summary Information Report**

<b>Test Group</b>	VMBXT00.0ED3	<b>Evaporative/Refueling Family</b>		--
F	2-Wheel Drive, Front	A	All Wheel Drive	
R	2-Wheel Drive, Rear			
<b>Additional Terms and Acronyms</b>				
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	



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**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 \*

VMBXT00.0ED3

### 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

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

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