

Kim, Seong Hun

From: noreply@salesforce.com on behalf of California Air <mscertfees@arb.ca.gov>
Sent: Wednesday, June 10, 2026 11:18 AM
To: Kim, Seong Hun
Cc: Fees@arb.ca.gov
Subject: [From: External] Adjusted MS Fee Invoice # MSF251004-1
Attachments: MSF251004-1 - signed.pdf

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Seong Hun Kim

Attached is your final adjusted invoice replacing MSF251004

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>.



Kim, Seong Hun

From: noreply@salesforce.com on behalf of California Air <mcertfees@arb.ca.gov>
Sent: Monday, April 20, 2026 2:03 PM
To: Kim, Seong Hun
Subject: [From: External] MS Fee Payment Confirmation for Invoice MSF251004
Attachments: MSF251004 - signed.pdf

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Seong Hun Kim

Attached is documentation for your MS Fee payment for Invoice Name MSF251004. 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 – 25RA0381
2. Date of Payment – 4/17/2026
3. Payment Status - Paid



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

CARB USE ONLY

Invoice Name	MSF251004-1
Invoice Date	Jun 10, 2026

COMPANY INFORMATION

Company Name	Volkswagen Group of America, Inc.
Address	3800 Hamlin Road
City	Auburn Hills
State	MI
Zip	48326
Country	United States
Contact Name	Seong Hun Kim
Contact Telephone Number	2489314347
Contact Email	sunny.kim@vw.com
CARB Customer Number	CCAM000085

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	VVGAV06.5LAB	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAV06.5LAB	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
2	VVGAV06.5LAC	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAV04.0LAC	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
3	VVGAT04.0LFA	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAT04.0LFA	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
4	VVGAT04.0LTA	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAT04.0LTA	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00

Total Invoice (MSF251004) Paid	\$ 201,236.00
--------------------------------	---------------

Total Corrected	\$ 201,236.00
-----------------	---------------

Total Due	\$ 0.00
-----------	---------

Notes
Changed UID for Row 2 from VVGAV06.5LAC to VVGAV04.0LAC.

I, [Tony D'Ambrosi](#), attest that any information provided is true, accurate, and complete.

(Responsible Party Signature Here)



Automobili Lamborghini S.p.A., a member of the Volkswagen Group

Application for Emissions Certification

2027 Model Year

Durability Group: VVGAGPGNNLTA

Evap. Family: VVGAR0176LCS

Test Group: VVGAT04.0LTA

Certificate Number: VVGAT04.0LTA-XXX

Durability Group Description: Four Stroke, Otto Cycle, Gasoline Fueled, Direct Fuel Injection, Cat Code: JM842

Test Group Description: 4.0 Liter Twin Turbocharged V8 – LDT
DFI / 2CAC / 2TC / 2WR-HO2S / 2TWC / 2HO2S

Battery Capacity (kWh): 25.9

Applicable Exhaust Standards: 50 States

Federal: Tier 4 interim Bin 70

California: LEV III ULEV70

Applicable Evaporative Standards: 50 State

Federal: Tier 3 FEL: 500 mg

California: LEVIII FEL: 500 mg

Carlines Covered: Urus SE

Vehicles Tested:

VID	Config.	Test Type / #		Test Type / #	
LB636_43237	0	2xUDDS/	VVGA10094397	SC03/	VVGA10094407
LB636_43237	0	HFET/	VVGA10094400	Cold CO/	VVGA10094429
LB636_43237	0	US06/	VVGA10094403	50°F FTP/	VVGA10094405
LB636_43237	0	CD UDDS/	VVGA10094515	CD HWY/	VVGA10094521
ECFE-9YAH-24	3	2-Day/	RPRX10084707	ORVR/	RPRX10084708
ECFE-9YAH-24	3	3-Day/	RPRX10084709	Running Loss/	RPRX10084754

Issue Date: 06/25/2026

Questions, Contact:

EEO Office, Auburn Hills, Michigan

Table of Contents

Section 01	Correspondence and Communications
Section 02	Durability Group Description
Section 03	Evaporative/Refueling Family Description
Section 04	Durability Procedure Description
Section 05	Test Group Description
Section 06	Test Vehicle Description
Section 07	Test Results
Section 08	Emission Testing Waiver Statements
Section 09	OBD System Description
Section 10	Description of Alternate-fueled Vehicles
Section 11	AECD Description
Section 12	Description of vehicles covered by certificate and test parameters
Section 13	Projected Sales
Section 14	Request for Certificate
Section 15	Other Information
Section 16	Confidential Information
Section 17	California ARB Information

1. Correspondence and Communication

Please refer to the Common Section

2. Durability Group Description

Durability Source Basics	
Durability Procedure	EPA Assigned DF
Durability Group Name	VVGAGPGNNLTA
Source of Durability Data	n.a.
Relation Factor BAT VWADP / BAT SRC	n.a.
Engine Type	Piston
Combustion Method	OTTO CYCLE FOUR STROKE
Fuel Used	Gasoline
Basic Fuel Metering System	DIRECT INJECTION, MULTIPOINT
Displacement [l]	4.0

Catalyst / After treatment device specifics		
	Durability Group Statistics	Durability Data Vehicle
Catalyst Construction		MONOLITH
Precious Metal Composition TWC		PALLADIUM/RHODIUM
PTOX TWC		n.a.
NAC:1 SCRC: 2		n.a.
Total Catalyst Volume [l]		5.92
Total Precious Metal Loading [g]		21.03
Precious Metal Load Rate PM [g] / CV [l]		3.55
Cat. Grouping Statistic	5.2	5.2
Durability Group Limit (25% or 0.2 g/l)	3.9	3.9
Test Group Covered		VVGAT04.0LTA

3. Evaporative / Refueling Family Description

			BETP C/O
Evaporative / Refueling Family Name		VVGAR0176LCS	RPRXR0176REH
Vapor storage device	Canister	Yes	Yes
	Other	-	-
Basic canister design	Working Capacity (g)	176	176
	Bed Volume (cm ³)	2660	2790
	Number, config.	1	1
	Geometry	Other	Other
	Construction	5-Chamber	5-Chamber
	Bleeding trap	Yes	Yes
	Bleed trap Working Capacity (g)	4- 6g	6g
	Material	Plastic	Plastic
Fuel System		DFI	DFI
Type of refueling system	Integrated	-	-
	Non-integrated	Yes	Yes
	Other	-	-
Fill pipe seal mechanism	Liquid seal	Yes	Yes
	Mechanical Seal	-	-
	Other	-	-
Method of controlling vapor flow to the engine	Vacuum	Yes	Yes
	Purge valve	Yes	Yes
	Other	-	-
Purge control system	Valve type	Duty Cycle	Duty Cycle
	Control	ECM	ECM
Vapor hose material	4 / multi-layer hose	Yes	Yes
	Stainless Steel	-	-
	Alloy	-	-
Fuel tank material	Metal	Yes	Yes
	Plastic	-	-
	Other	-	-
Test groups combined with this Evap. family		VVGAT04.0LTA	

4. Durability Procedure Description

Please refer to the Common Section

5.0 Test Group Description

Evap. Family:	VVGAR0176LCS
Test Group Name:	VVGAT04.0LTA
Certificate Number:	VVGAT04.0LTA-XXX
Engine displacements covered:	4.0 l
Arrangement and number of cylinders:	V8
Vehicle class(es) covered:	LDT
Federal Emissions Standards Class:	Tier4 interim BIN70
California Emissions Standards Class:	LEVIII ULEV70

5.1 Test Group Emission Standards

Please refer to Certification Summary Information Report included in Section 7 for applicable emission standards.

6. Test Vehicle Description

Certificate Number: VVGAT04.0LTA-XXX

Models: Urus SE

Test Group: VVGAT04.0LTA

Evaporative/Refueling Family: VVGAR0176LCS

VID	Config.	Vehicle Type	Tests Performed
LB636_43237	0	EDV	CS: UDDS, HWY, US06, SC03, Cold FTP, 50deg FTP
LB636_43237	0	FEDV	CS: UDDS, HWY, US06, SC03, Cold FTP CD: UDDS, HWY
ECFE-9YAH-24	3	Evap	3Day Evap, 2Day Evap, Running Loss, ORVR

7. Test Results

Please refer to the Certification Summary Information Report.

Certification Summary Information Report

Manufacturer	Volkswagen Group of America, Inc.	Manufacturer Code	VGA
Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	07/10/2026 03:29:21 PM
Model Year	2027		

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
-------------------	--------------	-------------------------------------	--------------

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: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	--

Drive Source #2: Combustion Engine

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

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	LDT4
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VVGAGPGNNLTA	Durability Group Equivalency Factor	1
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	07/20/2026	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	TVGAT04.0LAA
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	--		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	06/11/2026 12:00:26 PM				
Integrated ORVR?	No	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Metal	Fuel Tank Material Description	high-density-polyethylene in multi layer plastic with EVOH-barrier				
Fill Pipe Seal Type	Liquid seal						
Air Intake System Vapor Storage Device?	No	Air Intake System Vapor Storage Device Description	--				
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	--				
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	176	Number of Primary Canisters	1				
Number of Bleed Canisters	1	Bleed Canister Total Working Capacity (grams)	6				
Mfr Evaporative/Refueling Family Comments	Urus SE						
Leak Family Details							
Leak Family Indicator	Yes						
Canister Bleed Test Indicator	Yes	Applicability of Evaporative Canister Bleed Test	50 State				
Evaporative Canister Bleed Test Comments	--						
CARB Fuel Only (Rig) Test Indicator	No	Applicability of CARB Fuel Only (Rig) Test	--				
CARB Fuel Only (Rig) Test Comments	--						
Leak Family Name	Applicability of Leak Family Requirements	Leak Family Standard (inches)	Leak Family Description				
VVGAR0176LCS-001	50 State	0.02	--				
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Volkswagen Group of America, Inc.	4 - Lamborghini	410 - Urus SE	Federal	All Wheel Drive	Semi-Automatic	8	No
Volkswagen Group of America, Inc.	4 - Lamborghini	410 - Urus SE	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	8	No
Engine Description							
Hybrid Type	IC Engine/Electric Motor	Hybrid Description	--				
Engine Type	4-Stroke Spark Ignition	Mfr Engine Description	--				
Engine Block Arrangement	V-shaped engine	Mfr Engine Block Arrangement Description	--				
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	0W40 VW50200 / VW50500				
Number of Cylinders/Rotors	8	Mechanically Variable Compression Ratio Indicator	N				

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
After Treatment Device(s) (ATD)			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
1	Three-way catalyst	Palladium + Rhodium	Ceramic
2	Three-way catalyst	Palladium + Rhodium	Ceramic
Mfr After Treatment Device (ATD) Comments			
--			
Direct Ozone Reduction (DOR) Device			
Not Equipped			
Mfr Emission Control Device Comments			
--			
Engine Configuration Number 1			
Engine Displacement (liters)	4.0	Engine Rated Horsepower	611
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	Parallel	Charge Air Cooler Type	Air
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	The variable valve timing is a substantial engine feature for: - Reducing engine out emissions - Optimizing full load performance - Optimizing fuel consumption - Reducing engine roughness - Adjust the inlet and outlet camshaft position continuously between retard and advanced position.		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
Number of Knock Sensors	4	Number of Air/Fuel Sensors	4
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--
Air/Fuel Sensor # 3 Type	Heated oxygen	Air/Fuel Sensor # 3 Description	--
Air/Fuel Sensor # 4 Type	Heated oxygen	Air/Fuel Sensor # 4 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	No	Cooled Exhaust Gas Recirculation	No
EGR Type	--	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	Applies to DWHE var: 0		

Certification Summary Information Report

Test Group		VVGAT04.0LTA				Evaporative/Refueling Family		VVGAR0176LCS		
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	VVGA10094397	VVGA10094403	VVGA10094407	VVGA10094429	VVGA10094400	--	--	--	--	--
Gasoline	VVGA10094397	VVGA10094403	VVGA10094407	VVGA10094429	VVGA10094400	6.4	5.8	11.3	9.2	--

SFTP LEV-III Official Test Numbers				
Test Group Fuel	FTP	US06	SC03	
Gasoline	VVGA10094397	VVGA10094403	VVGA10094407	
Electricity	VVGA10094397	VVGA10094403	VVGA10094407	

Official Charge Depleting Test Numbers		
Test Group Fuel	UDDS	Highway
Electricity	VVGA10094515	VVGA10094521
Gasoline	VVGA10094515	VVGA10094521

Hybrid Electric Vehicle And Fuel Cell Information			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	370	Battery Energy Capacity	70.00
Battery Specific Energy	164.1	Battery Charger Type	Off-Board
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	No
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	1		
Motor/Generator Type 1	AC 3-phase	Rated Motor/Generator Power	141
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	1 battery, no modules. Number of battery cells = 103 ; 1 e-motors @ 141kW		

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
-------------------	--------------	-------------------------------------	--------------

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-9YAH-24 / 3	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	RPRXT03.0CH6	Original Evaporative/Refueling Family	RPRXR0176REH
Original Test Vehicle Model Year	2024		

Vehicle Model

Represented Test Vehicle Make	Porsche	Represented Test Vehicle Model	Cayenne E-Hybrid
--------------------------------------	---------	---------------------------------------	------------------

Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
-------------------------------	----	-------------------------	----

Drive Sources and Fuel System Details

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

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	Odometer Correction Factor	1
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	DCB	Rated Horsepower	348
Displacement (liters)	3		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Air	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	5525	Equivalent Test Weight (pounds)	6000
GVWR (lbs)	6889	N/V Ratio	24
Axle Ratio	3.21		
Transmission Type	Semi-Automatic	# of Transmission Gears	8
Transmission Lockup	Yes	Creep Gear	No

Dynamometer Coefficients:

Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	49.86	0.0383	0.03191	22.48	0.1809	0.03197	17.5

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS						
Emission Control Device Comments	TWC/MAP/DFI/WR-HO2S/HO2S/1TC/2CAC								
Manufacturer Test Vehicle Comments	Cayenne E-Hybrid (plug-in hybrid), EVAP Configuration								
Test #	RPRX10084707	Test Procedure	23 - 2-day evap						
Exhaust Test # for this Evap Test	RPRX10084704	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	01/20/2023	Fuel	Gasoline						
Fuel Batch ID	W22	Fuel Calibration Number	24						
Vehicle Class	N/A	DF Type	EPA Assigned						
Verify Test Lab ID	Porsche AG, Labs and Engineering								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	5309	Odometer Units	M						
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--						
State of Charge Delta	Yes								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.1223</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.1223	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.1223	--							
Manufacturer Test Comments									
2-day evap, E10 fuel; Porsche test number 23059064									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.1223	0.0030	0.125	0.500	Pass	
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.1223	0.0030	0.125	0.500	Pass	

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	RPRX10084709	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	RPRX10084705	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	10/27/2023	Fuel	Gasoline
Fuel Batch ID	W22	Fuel Calibration Number	24
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4619	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.2156	--

Manufacturer Test Comments

3-day evap, E10 fuel; Porsche test number 23047273

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.2156	0.0067	0.222	0.500	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2156	0.0067	0.222	0.500	Pass

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS						
Test #	RPRX10084708	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	RPRX10084704	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	11/03/2023	Fuel	Gasoline						
Fuel Batch ID	W22	Fuel Calibration Number	24						
Vehicle Class	N/A	DF Type	EPA Assigned						
Verify Test Lab ID	Porsche AG, Labs and Engineering								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4627	Odometer Units	M						
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--						
State of Charge Delta	Yes								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC (Hydrocarbon for Running Loss and ORVR)</td> <td>0.0048</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC (Hydrocarbon for Running Loss and ORVR)	0.0048	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC (Hydrocarbon for Running Loss and ORVR)	0.0048	--							
Manufacturer Test Comments									
ORVR for evap; E10 fuel; Porsche test number 23047275									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC	0.005	0.005	0.01	0.20	Pass	
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC	0.005	0.005	0.01	0.20	Pass	

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	RPRX10084754	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	RPRX10084705	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	10/27/2023	Fuel	Gasoline
Fuel Batch ID	W22	Fuel Calibration Number	24
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4601	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	--

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0	--

Manufacturer Test Comments

Running Loss test, E10 fuel; Porsche test number 23047270

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.000	0.000	0.00	0.05	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.000	0.000	0.00	0.05	Pass

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS									
Emission Data Vehicle Information												
Vehicle ID / Configuration	LB636_43237 / 0	Manufacturer Vehicle Configuration Number	0									
Original Test Group Name	VVGAT04.0LAA	Original Evaporative/Refueling Family	VVGAR0176LCS									
Original Test Vehicle Model Year	2027											
Vehicle Model												
Represented Test Vehicle Make	Lamborghini	Represented Test Vehicle Model	URUS SE									
Leak Family Details												
Leak Family Identifier	001	Leak Family Name	VVGAR0176LCS-001									
Drive Sources and Fuel System Details												
<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> <tr> <td>2</td><td>Electric Motor</td><td>Electricity</td></tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline	2	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel										
1	Combustion Engine	Gasoline										
2	Electric Motor	Electricity										
Hybrid Indicator	Yes											
Multiple Fuel Storage	--	Multiple Fuel Combustion	--									
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes									
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--									
Off-board charge Capable Indicator	Yes											
Odometer Correction -- Initial	0	Odometer Correction Factor	1.0049									
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor											
Odometer Correction Units	Miles											
Engine Code	DWHE	Rated Horsepower	612									
Displacement (liters)	3.996											
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'										
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Parallel									
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)	5831	Equivalent Test Weight (pounds)	6000									
GVWR (lbs)	7022	N/V Ratio	21.6									
Axle Ratio	2.95											
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	8									
Transmission Lockup	No	Creep Gear	No									

Certification Summary Information Report

Test Group		VVGAT04.0LTA			Evaporative/Refueling Family		VVGAR0176LCS	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	67.92	0.2416	0.03096	1.88	-0.244	0.03197	21	
Cold CO	74.71	0.2657	0.03406	-21.33	-0.6372	0.03668	N/A	
US06	67.92	0.2416	0.03096	1.88	-0.244	0.03197	N/A	
Emission Control Device Comments		DFI / 2CAC / 2TC / 2WR-HO2S / 2TWC / 2HO2S						
Manufacturer Test Vehicle Comments		--						

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	VVGA10094397	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	03/11/2026	Fuel	Gasoline
Fuel Batch ID	LB0022	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	EPA Assigned
Verify Test Lab ID	Automobili Lamborghini S.p.A.		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4473	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																																																																							
	<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>ACT-DISTANCE (Actual Distance Driven (miles))</td><td>14.895</td><td>--</td></tr><tr><td>ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)</td><td>7.46</td><td>--</td></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>1244.0488224</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.33</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>7.03</td><td>7.03</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.00995</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.01965</td><td>--</td></tr><tr><td>WATT-HRS BAG 1 (Bag 1 Watt Hours)</td><td>5660</td><td>--</td></tr><tr><td>ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)</td><td>7.43</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>1215.4137646</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.12</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>7.2</td><td>7.2</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.00191</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0</td><td>--</td></tr><tr><td>WATT-HRS BAG 2 (Bag 2 Watt Hours)</td><td>5867</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.005365</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.2086811</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>1.596409</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>1.232969</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>1.692012</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>7.1</td><td>7.1</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.032532</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0001964</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0076928</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0077</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0008223</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.01174</td><td>--</td></tr><tr><td>WATT-HRS (Watt Hours)</td><td>11.483</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	ACT-DISTANCE (Actual Distance Driven (miles))	14.895	--	ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	7.46	--	CO2 BAG 1 (Bag 1 Carbon Dioxide)	1244.0488224	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.33	--	FE BAG 1 (Bag 1 Fuel Economy)	7.03	7.03	CH4 BAG 1 (Bag 1 Methane)	0.00995	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.01965	--	WATT-HRS BAG 1 (Bag 1 Watt Hours)	5660	--	ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	7.43	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	1215.4137646	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.12	--	FE BAG 2 (Bag 2 Fuel Economy)	7.2	7.2	CH4 BAG 2 (Bag 2 Methane)	0.00191	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	WATT-HRS BAG 2 (Bag 2 Watt Hours)	5867	--	METHANE (CH4 - Methane)	0.005365	--	CO (Carbon Monoxide)	0.2086811	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.596409	--	DT-EER (Drive Trace Energy Economy Rating)	1.232969	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.692012	--	MFR FE (Manufacturer Fuel Economy)	7.1	7.1	NOX (Nitrogen Oxide)	0.032532	--	N2O (Nitrous Oxide)	0.0001964	--	HC-NM (Non-methane Hydrocarbon)	0.0076928	--	NMOG (Non-methane organic gases)	0.0077	--	PM (Particulate Matter)	0.0008223	--	HC-TOTAL (Total Hydrocarbon)	0.01174	--	WATT-HRS (Watt Hours)	11.483	--		
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																																																																							
	ACT-DISTANCE (Actual Distance Driven (miles))	14.895	--																																																																																							
	ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	7.46	--																																																																																							
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	1244.0488224	--																																																																																							
	CO BAG 1 (Bag 1 Carbon Monoxide)	0.33	--																																																																																							
	FE BAG 1 (Bag 1 Fuel Economy)	7.03	7.03																																																																																							
	CH4 BAG 1 (Bag 1 Methane)	0.00995	--																																																																																							
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.01965	--																																																																																							
	WATT-HRS BAG 1 (Bag 1 Watt Hours)	5660	--																																																																																							
	ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	7.43	--																																																																																							
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	1215.4137646	--																																																																																							
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.12	--																																																																																							
	FE BAG 2 (Bag 2 Fuel Economy)	7.2	7.2																																																																																							
	CH4 BAG 2 (Bag 2 Methane)	0.00191	--																																																																																							
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--																																																																																							
	WATT-HRS BAG 2 (Bag 2 Watt Hours)	5867	--																																																																																							
	METHANE (CH4 - Methane)	0.005365	--																																																																																							
	CO (Carbon Monoxide)	0.2086811	--																																																																																							
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.596409	--																																																																																							
	DT-EER (Drive Trace Energy Economy Rating)	1.232969	--																																																																																							
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.692012	--																																																																																							
	MFR FE (Manufacturer Fuel Economy)	7.1	7.1																																																																																							
	NOX (Nitrogen Oxide)	0.032532	--																																																																																							
	N2O (Nitrous Oxide)	0.0001964	--																																																																																							
	HC-NM (Non-methane Hydrocarbon)	0.0076928	--																																																																																							
	NMOG (Non-methane organic gases)	0.0077	--																																																																																							
	PM (Particulate Matter)	0.0008223	--																																																																																							
	HC-TOTAL (Total Hydrocarbon)	0.01174	--																																																																																							
	WATT-HRS (Watt Hours)	11.483	--																																																																																							
		<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>1228</td><td>1228</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	1228	1228																																																																																		
	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE																																																																																							
	Carbon-Related Exhaust Emissions	1228	1228																																																																																							

Certification Summary Information Report

Test Group		VVGAT04.0LTA			Evaporative/Refueling Family				VVGAR0176LCS			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		1227.7268556			--					
Manufacturer Test Comments		Lab Comments: Mod Corsa-Performance; VeCeD: FTP Tested as URUS SE EDV ETW: 6000 RLHP: 0										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 70	CREE	1228	--	--	--	0.6400	--	1229	--	--
Fed	120,000 miles	Federal Tier 3 Bin 70	METHANE	0.0054	--	--	--	0.0027	--	0.008	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 70	N2O	0.0002	--	--	--	0.0012	--	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.21	--	--	--	0.240	--	0.4	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO-COMP	0.46	--	--	--	--	--	0.5	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0077	--	1.0984	--	0.0098	--	0.018	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0402	--	--	--	--	--	0.057	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX-COMP	0.0454	--	--	--	--	--	0.045	0.090	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0325	--	--	--	0.0070	--	0.040	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0008	--	--	--	0.0000	--	0.001	0.003	Pass
CA	150,000 miles	California LEV-III ULEV70	CO	0.21	--	--	--	0.240	--	0.4	1.7	Pass
CA	150,000 miles	California LEV-III ULEV70	CO-COMP	0.46	--	--	--	--	--	0.5	4.2	Pass
CA	150,000 miles	California LEV-III ULEV70	NMOG	0.0077	--	1.0984	--	0.0098	--	0.018	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	NMOG+NOX	0.0402	--	--	--	--	--	0.057	0.070	Pass
CA	150,000 miles	California LEV-III ULEV70	NMOG+NOX-COMP	0.0454	--	--	--	--	--	0.045	0.090	Pass
CA	150,000 miles	California LEV-III ULEV70	NOX	0.0325	--	--	--	0.0070	--	0.040	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	PM	0.0008	--	--	--	0	--	0.001	0.003	Pass

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

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	VVGA10094405	Test Procedure	52 - Fed. fuel 50 F exh.
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	03/13/2026	Fuel	Gasoline
Fuel Batch ID	LB0022	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	EPA Assigned
Verify Test Lab ID	Automobili Lamborghini S.p.A.		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4584	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	1098.6548918	--
CO BAG 1 (Bag 1 Carbon Monoxide)	0.61	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	1447.1594616	--
CO BAG 2 (Bag 2 Carbon Monoxide)	0.04	--
CO2 BAG 3 (Bag 3 Carbon Dioxide)	1033.2402081	--
CO BAG 3 (Bag 3 Carbon Monoxide)	0.38	--
METHANE (CH4 - Methane)	0.0020244	--
CO (Carbon Monoxide)	0.2494902	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.108745	--
DT-EER (Drive Trace Energy Economy Rating)	-0.4650831	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.915455	--
MFR FE (Manufacturer Fuel Economy)	6.9	6.9
NOX (Nitrogen Oxide)	0.0168815	--
N2O (Nitrous Oxide)	0.0003614	--
HC-NM (Non-methane Hydrocarbon)	0.0094603	--
NMOG (Non-methane organic gases)	0.0095	--
PM (Particulate Matter)	0.001422	--
HC-TOTAL (Total Hydrocarbon)	0.0108376	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	1261	--

Certification Summary Information Report

Test Group		VVGAT04.0LTA			Evaporative/Refueling Family				VVGAR0176LCS			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		1260.952889			--					
Manufacturer Test Comments		Lab Comments: FTP_10°C; Mod Corsa-Ric; VeCeD: 50FTP Tested as URUS SE EDV ETW: 6000 RLHP: 0										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	4,000 miles	California LEV-III ULEV70	CO	0.25	--	--	--	--	--	0.2	1.7	Pass
CA	4,000 miles	California LEV-III ULEV70	NMOG	0.0095	--	1.0984	--	--	--	0.010	99.999	Pass
CA	4,000 miles	California LEV-III ULEV70	NMOG+NOX	0.0264	--	--	--	--	--	0.026	0.140	Pass
CA	4,000 miles	California LEV-III ULEV70	NOX	0.0169	--	--	--	--	--	0.017	99.999	Pass

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	VVGA10094429	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)
Test Date	03/17/2026	Fuel	Gasoline
Fuel Batch ID	LB0024	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	EPA Assigned
Verify Test Lab ID	Automobili Lamborghini S.p.A.		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4647	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	10.995	--	
ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	3.58	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	1162.6845741	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	1.29	--	
FE BAG 1 (Bag 1 Fuel Economy)	7.46	7.46	
CH4 BAG 1 (Bag 1 Methane)	0.01913	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.15663	--	
WATT-HRS BAG 1 (Bag 1 Watt Hours)	1748.57	--	
ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	3.86	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	1484.9135453	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.06	--	
FE BAG 2 (Bag 2 Fuel Economy)	5.85	5.85	
CH4 BAG 2 (Bag 2 Methane)	0.00011	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	
WATT-HRS BAG 2 (Bag 2 Watt Hours)	4032.31	--	
ACT-DISTANCE BAG 3 (Bag 3 Actual Distance)	3.56	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	1064.1758232	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.38	--	
FE BAG 3 (Bag 3 Fuel Economy)	8.16	8.16	
CH4 BAG 3 (Bag 3 Methane)	0.00099	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
WATT-HRS BAG 3 (Bag 3 Watt Hours)	2433	--	
METHANE (CH4 - Methane)	0.0042911	--	
CO (Carbon Monoxide)	0.4014377	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.684003	--	
DT-EER (Drive Trace Energy Economy Rating)	2.107453	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.0135	--	
MFR FE (Manufacturer Fuel Economy)	6.7	6.7	
NOX (Nitrogen Oxide)	0.0310855	--	
N2O (Nitrous Oxide)	0.0005415	--	
HC-NM (Non-methane Hydrocarbon)	0.0294241	--	

Certification Summary Information Report

Test Group	VVGAT04.0LTA				Evaporative/Refueling Family				VVGAR0176LCS																											
<table><tr><td colspan="2">NMOG (Non-methane organic gases)</td><td colspan="2">0.0294</td><td colspan="2">--</td></tr><tr><td colspan="2">PM (Particulate Matter)</td><td colspan="2">0.0046126</td><td colspan="2">--</td></tr><tr><td colspan="2">HC-TOTAL (Total Hydrocarbon)</td><td colspan="2">0.033179</td><td colspan="2">--</td></tr><tr><td colspan="2">WATT-HRS (Watt Hours)</td><td colspan="2">8213.88</td><td colspan="2">--</td></tr></table>													NMOG (Non-methane organic gases)		0.0294		--		PM (Particulate Matter)		0.0046126		--		HC-TOTAL (Total Hydrocarbon)		0.033179		--		WATT-HRS (Watt Hours)		8213.88		--	
NMOG (Non-methane organic gases)		0.0294		--																																
PM (Particulate Matter)		0.0046126		--																																
HC-TOTAL (Total Hydrocarbon)		0.033179		--																																
WATT-HRS (Watt Hours)		8213.88		--																																
<table><tr><td colspan="2">Test Result Name</td><td colspan="2">Unrounded Test Result</td><td colspan="2">Verify Calculated CREE/OPT-CREE</td></tr><tr><td colspan="2">Carbon-Related Exhaust Emissions</td><td colspan="2">1304</td><td colspan="2">--</td></tr></table>													Test Result Name		Unrounded Test Result		Verify Calculated CREE/OPT-CREE		Carbon-Related Exhaust Emissions		1304		--													
Test Result Name		Unrounded Test Result		Verify Calculated CREE/OPT-CREE																																
Carbon-Related Exhaust Emissions		1304		--																																
<table><tr><td colspan="2">Test Result Name</td><td colspan="2">Unrounded Test Result</td><td colspan="2">Verify Calculated CO2</td></tr><tr><td colspan="2">Carbon dioxide</td><td colspan="2">1303.0628232</td><td colspan="2">--</td></tr></table>													Test Result Name		Unrounded Test Result		Verify Calculated CO2		Carbon dioxide		1303.0628232		--													
Test Result Name		Unrounded Test Result		Verify Calculated CO2																																
Carbon dioxide		1303.0628232		--																																
Manufacturer Test Comments		Lab Comments: <no value data>; VeCeD: COLDCO Tested as URUS SE EDV ETW: 6000 RLHP: 0																																		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail																								
Fed	50,000 miles	Federal Tier 3 Bin 70	CO	0.40	--	--	--	0.240	--	0.6	10.0	Pass																								
Fed	120,000 miles	Federal Tier 3 Bin 70	HC-NM	0.03	--	--	--	0.0098	--	0.0	0.5	Pass																								
CA	50,000 miles	California LEV-III ULEV70	CO	0.40	--	--	--	0.240	--	0.6	10.0	Pass																								

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	VVGA10094400	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	03/11/2026	Fuel	Gasoline
Fuel Batch ID	LB0022	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	EPA Assigned
Verify Test Lab ID	Automobili Lamborghini S.p.A.		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4516	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
ACT-DISTANCE (Actual Distance Driven (miles))	10.237	--
METHANE (CH4 - Methane)	0.0132221	--
CO (Carbon Monoxide)	0.3903762	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.888533	--
DT-EER (Drive Trace Energy Economy Rating)	0.6507809	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.319985	--
MFR FE (Manufacturer Fuel Economy)	12.9	12.9
NOX (Nitrogen Oxide)	0.0048695	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0019178	--
NMOG (Non-methane organic gases)	0.0019	--
HC-TOTAL (Total Hydrocarbon)	0.0144288	--
WATT-HRS (Watt Hours)	3.663	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	678	678

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	677.2597527	--

Manufacturer Test Comments

Lab Comments: Mod Corsa Ricarica; VeCeD: HWY Tested as URUS SE EDV ETW: 6000 RLHP: 0

Certification Summary Information Report

Test Group		VVGAT04.0LTA				Evaporative/Refueling Family				VVGAR0176LCS		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 70	CREE	678	--	--	--	0.6400	--	679	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0019	--	1.0300	--	0.0098	--	0.012	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0068	--	--	--	--	--	0.024	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0049	--	--	--	0.0070	--	0.012	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	NMOG	0.0019	--	1.0300	--	0.0098	--	0.012	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	NMOG+NOX	0.0068	--	--	--	--	--	0.024	0.070	Pass
CA	150,000 miles	California LEV-III ULEV70	NOX	0.0049	--	--	--	0.0070	--	0.012	99.999	Pass

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

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	VVGA10094403	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	03/11/2026	Fuel	Gasoline
Fuel Batch ID	LB0022	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	EPA Assigned
Verify Test Lab ID	Automobili Lamborghini S.p.A.		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4554	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																																																																							
	<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>ACT-DISTANCE (Actual Distance Driven (miles))</td><td>8.01</td><td>--</td></tr><tr><td>ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)</td><td>1.78</td><td>--</td></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>1196.9854884</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.28</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>7.31</td><td>7.31</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.00317</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0</td><td>--</td></tr><tr><td>WATT-HRS BAG 1 (Bag 1 Watt Hours)</td><td>643.82</td><td>--</td></tr><tr><td>ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)</td><td>6.23</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>706.4077084</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.21</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>12.39</td><td>12.39</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.00499</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.00177</td><td>--</td></tr><tr><td>WATT-HRS BAG 2 (Bag 2 Watt Hours)</td><td>1948.75</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0045889</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.2268097</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>1.464771</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>0.4439719</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>3.803758</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>10.7</td><td>10.7</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0174998</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0013366</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0013</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0011294</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0051436</td><td>--</td></tr><tr><td>WATT-HRS (Watt Hours)</td><td>2.916</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	ACT-DISTANCE (Actual Distance Driven (miles))	8.01	--	ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	1.78	--	CO2 BAG 1 (Bag 1 Carbon Dioxide)	1196.9854884	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.28	--	FE BAG 1 (Bag 1 Fuel Economy)	7.31	7.31	CH4 BAG 1 (Bag 1 Methane)	0.00317	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0	--	WATT-HRS BAG 1 (Bag 1 Watt Hours)	643.82	--	ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	6.23	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	706.4077084	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.21	--	FE BAG 2 (Bag 2 Fuel Economy)	12.39	12.39	CH4 BAG 2 (Bag 2 Methane)	0.00499	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.00177	--	WATT-HRS BAG 2 (Bag 2 Watt Hours)	1948.75	--	METHANE (CH4 - Methane)	0.0045889	--	CO (Carbon Monoxide)	0.2268097	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.464771	--	DT-EER (Drive Trace Energy Economy Rating)	0.4439719	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.803758	--	MFR FE (Manufacturer Fuel Economy)	10.7	10.7	NOX (Nitrogen Oxide)	0.0174998	--	N2O (Nitrous Oxide)	0	--	HC-NM (Non-methane Hydrocarbon)	0.0013366	--	NMOG (Non-methane organic gases)	0.0013	--	PM (Particulate Matter)	0.0011294	--	HC-TOTAL (Total Hydrocarbon)	0.0051436	--	WATT-HRS (Watt Hours)	2.916	--		
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																																																																							
	ACT-DISTANCE (Actual Distance Driven (miles))	8.01	--																																																																																							
	ACT-DISTANCE BAG 1 (Bag 1 Actual Distance)	1.78	--																																																																																							
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	1196.9854884	--																																																																																							
	CO BAG 1 (Bag 1 Carbon Monoxide)	0.28	--																																																																																							
	FE BAG 1 (Bag 1 Fuel Economy)	7.31	7.31																																																																																							
	CH4 BAG 1 (Bag 1 Methane)	0.00317	--																																																																																							
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0	--																																																																																							
	WATT-HRS BAG 1 (Bag 1 Watt Hours)	643.82	--																																																																																							
	ACT-DISTANCE BAG 2 (Bag 2 Actual Distance)	6.23	--																																																																																							
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	706.4077084	--																																																																																							
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.21	--																																																																																							
	FE BAG 2 (Bag 2 Fuel Economy)	12.39	12.39																																																																																							
	CH4 BAG 2 (Bag 2 Methane)	0.00499	--																																																																																							
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.00177	--																																																																																							
	WATT-HRS BAG 2 (Bag 2 Watt Hours)	1948.75	--																																																																																							
	METHANE (CH4 - Methane)	0.0045889	--																																																																																							
	CO (Carbon Monoxide)	0.2268097	--																																																																																							
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.464771	--																																																																																							
	DT-EER (Drive Trace Energy Economy Rating)	0.4439719	--																																																																																							
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.803758	--																																																																																							
	MFR FE (Manufacturer Fuel Economy)	10.7	10.7																																																																																							
	NOX (Nitrogen Oxide)	0.0174998	--																																																																																							
	N2O (Nitrous Oxide)	0	--																																																																																							
	HC-NM (Non-methane Hydrocarbon)	0.0013366	--																																																																																							
	NMOG (Non-methane organic gases)	0.0013	--																																																																																							
	PM (Particulate Matter)	0.0011294	--																																																																																							
	HC-TOTAL (Total Hydrocarbon)	0.0051436	--																																																																																							
	WATT-HRS (Watt Hours)	2.916	--																																																																																							
		<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>816</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	816	--																																																																																		
	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE																																																																																							
	Carbon-Related Exhaust Emissions	816	--																																																																																							

Certification Summary Information Report

Test Group		VVGAT04.0LTA			Evaporative/Refueling Family				VVGAR0176LCS			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		815.5590512			--					
Manufacturer Test Comments		Lab Comments: Mod Corsa Ricarica; VeCeD: US06 Tested as URUS SE EDV ETW: 6000 RLHP: 0										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.2268	--	--	--	0.240	--	0.467	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0013	--	1.0300	--	0.0098	--	0.011	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0175	--	--	--	0.0070	--	0.024	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0011	--	--	--	0.0000	--	0.001	0.006	Pass
CA	150,000 miles	California LEV-III ULEV70	CO	0.2268	--	--	--	0.240	--	0.467	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	NMOG	0.0013	--	1.0300	--	0.0098	--	0.011	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	NOX	0.0175	--	--	--	0.0070	--	0.024	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	PM	0.0011	--	--	--	0	--	0.001	0.006	Pass

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	VVGA10094407	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/09/2026	Fuel	Gasoline
Fuel Batch ID	IG0060	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	EPA Assigned
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4838	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	3.585	--	
METHANE (CH4 - Methane)	0.0016833	--	
CO (Carbon Monoxide)	0.2113783	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.3723266	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.7883608	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.486009	--	
MFR FE (Manufacturer Fuel Economy)	7.6	7.6	
NOX (Nitrogen Oxide)	0.0198946	--	
HC-NM (Non-methane Hydrocarbon)	0.0050608	--	
NMOG (Non-methane organic gases)	0.0051	--	
HC-TOTAL (Total Hydrocarbon)	0.0066903	--	
WATT-HRS (Watt Hours)	2.435	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	1149	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	1148.8794603	--	
Manufacturer Test Comments	Lab Comments: kein Kommentar!; VeCeD: SC03 Tested as URUS SE EDV ETW: 6000 RLHP: 0		

Certification Summary Information Report

Test Group		VVGAT04.0LTA				Evaporative/Refueling Family				VVGAR0176LCS		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.2114	--	--	--	0.240	--	0.451	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0051	--	1.0300	--	0.0098	--	0.015	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0199	--	--	--	0.0070	--	0.027	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	CO	0.2114	--	--	--	0.240	--	0.451	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	NMOG	0.0051	--	1.0300	--	0.0098	--	0.015	99.999	Pass
CA	150,000 miles	California LEV-III ULEV70	NOX	0.0199	--	--	--	0.0070	--	0.027	99.999	Pass

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	VVGA10094515	Test Procedure	81 - Charge Depleting UDDS
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	04/29/2026	Fuel	N/A
Fuel Batch ID	LB0025	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	Automobili Lamborghini S.p.A.		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5060	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	25.414
Charge Depleting Range (Calculated miles)	44.073	Charge Depleting Range (Actual miles)	43.987
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	2017
All Electric Range Unadjusted (miles)	43.987	Equivalent All Electric Range (miles)	44.073
Number of Charge Depleting Bags/Phases Conducted	7	Transition Bag/Phase Number	6
Charge Depleting Bag/Phase #1			

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.447</td></tr><tr><td>Average System Voltage</td><td>409.72</td></tr><tr><td>CH4 - Methane</td><td>0</td></tr><tr><td>Carbon Monoxide</td><td>0</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.591</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.2647</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.2336</td></tr><tr><td>Integrated Amp-hours</td><td>9.604</td></tr><tr><td>Manufacturer Fuel Economy</td><td>0</td></tr><tr><td>Nitrogen Oxide</td><td>0</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0</td></tr><tr><td>Non-methane organic gases</td><td>0</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>22.193</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>25.9</td></tr><tr><td>Total Hydrocarbon</td><td>0</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.447	Average System Voltage	409.72	CH4 - Methane	0	Carbon Monoxide	0	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.591	Drive Trace Energy Economy Rating	-0.2647	Drive Trace Inertia Work Ratio Rating	0.2336	Integrated Amp-hours	9.604	Manufacturer Fuel Economy	0	Nitrogen Oxide	0	Non-methane Hydrocarbon	0	Non-methane organic gases	0	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	22.193	System Start State of Charge Watt-hours	25.9	Total Hydrocarbon	0	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	7.447																																						
	Average System Voltage	409.72																																						
	CH4 - Methane	0																																						
	Carbon Monoxide	0																																						
	Carbon dioxide	0																																						
	Carbon-Related Exhaust Emissions	0																																						
	Drive Trace Absolute Speed Change Rating	0.591																																						
	Drive Trace Energy Economy Rating	-0.2647																																						
	Drive Trace Inertia Work Ratio Rating	0.2336																																						
	Integrated Amp-hours	9.604																																						
	Manufacturer Fuel Economy	0																																						
	Nitrogen Oxide	0																																						
	Non-methane Hydrocarbon	0																																						
	Non-methane organic gases	0																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	22.193																																						
	System Start State of Charge Watt-hours	25.9																																						
	Total Hydrocarbon	0																																						
Charge Depleting Bag/Phase #2																																								

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.409</td></tr><tr><td>Average System Voltage</td><td>396.75</td></tr><tr><td>CH4 - Methane</td><td>0</td></tr><tr><td>Carbon Monoxide</td><td>0</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.5329</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.0223</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.8764</td></tr><tr><td>Integrated Amp-hours</td><td>18.954</td></tr><tr><td>Manufacturer Fuel Economy</td><td>0</td></tr><tr><td>Nitrogen Oxide</td><td>0</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0</td></tr><tr><td>Non-methane organic gases</td><td>0</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>18.801</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>22.193</td></tr><tr><td>Total Hydrocarbon</td><td>0</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.409	Average System Voltage	396.75	CH4 - Methane	0	Carbon Monoxide	0	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.5329	Drive Trace Energy Economy Rating	-1.0223	Drive Trace Inertia Work Ratio Rating	0.8764	Integrated Amp-hours	18.954	Manufacturer Fuel Economy	0	Nitrogen Oxide	0	Non-methane Hydrocarbon	0	Non-methane organic gases	0	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	18.801	System Start State of Charge Watt-hours	22.193	Total Hydrocarbon	0	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	7.409																																						
	Average System Voltage	396.75																																						
	CH4 - Methane	0																																						
	Carbon Monoxide	0																																						
	Carbon dioxide	0																																						
	Carbon-Related Exhaust Emissions	0																																						
	Drive Trace Absolute Speed Change Rating	0.5329																																						
	Drive Trace Energy Economy Rating	-1.0223																																						
	Drive Trace Inertia Work Ratio Rating	0.8764																																						
	Integrated Amp-hours	18.954																																						
	Manufacturer Fuel Economy	0																																						
	Nitrogen Oxide	0																																						
	Non-methane Hydrocarbon	0																																						
	Non-methane organic gases	0																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	18.801																																						
	System Start State of Charge Watt-hours	22.193																																						
	Total Hydrocarbon	0																																						
Charge Depleting Bag/Phase #3																																								

Charge Depleting Bag/Phase #3

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.453</td></tr><tr><td>Average System Voltage</td><td>385.59</td></tr><tr><td>CH4 - Methane</td><td>0</td></tr><tr><td>Carbon Monoxide</td><td>0</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.8034</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.22</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-3.0149</td></tr><tr><td>Integrated Amp-hours</td><td>28.459</td></tr><tr><td>Manufacturer Fuel Economy</td><td>0</td></tr><tr><td>Nitrogen Oxide</td><td>0</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0</td></tr><tr><td>Non-methane organic gases</td><td>0</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>15.458</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>18.801</td></tr><tr><td>Total Hydrocarbon</td><td>0</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.453	Average System Voltage	385.59	CH4 - Methane	0	Carbon Monoxide	0	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.8034	Drive Trace Energy Economy Rating	-1.22	Drive Trace Inertia Work Ratio Rating	-3.0149	Integrated Amp-hours	28.459	Manufacturer Fuel Economy	0	Nitrogen Oxide	0	Non-methane Hydrocarbon	0	Non-methane organic gases	0	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	15.458	System Start State of Charge Watt-hours	18.801	Total Hydrocarbon	0	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	7.453																																						
	Average System Voltage	385.59																																						
	CH4 - Methane	0																																						
	Carbon Monoxide	0																																						
	Carbon dioxide	0																																						
	Carbon-Related Exhaust Emissions	0																																						
	Drive Trace Absolute Speed Change Rating	-1.8034																																						
	Drive Trace Energy Economy Rating	-1.22																																						
	Drive Trace Inertia Work Ratio Rating	-3.0149																																						
	Integrated Amp-hours	28.459																																						
	Manufacturer Fuel Economy	0																																						
	Nitrogen Oxide	0																																						
	Non-methane Hydrocarbon	0																																						
	Non-methane organic gases	0																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	15.458																																						
	System Start State of Charge Watt-hours	18.801																																						
	Total Hydrocarbon	0																																						
Charge Depleting Bag/Phase #4																																								

Charge Depleting Bag/Phase #4

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.453	
	Average System Voltage	372.77	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-2.548	
	Drive Trace Energy Economy Rating	-1.2881	
	Drive Trace Inertia Work Ratio Rating	-4.1317	
	Integrated Amp-hours	38.114	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	12.159	
	System Start State of Charge Watt-hours	15.458	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #5

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.397</td></tr><tr><td>Average System Voltage</td><td>363.24</td></tr><tr><td>CH4 - Methane</td><td>0</td></tr><tr><td>Carbon Monoxide</td><td>0</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-2.6252</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-2.1692</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-4.2227</td></tr><tr><td>Integrated Amp-hours</td><td>47.908</td></tr><tr><td>Manufacturer Fuel Economy</td><td>0</td></tr><tr><td>Nitrogen Oxide</td><td>0</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0</td></tr><tr><td>Non-methane organic gases</td><td>0</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>8.9049</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>12.159</td></tr><tr><td>Total Hydrocarbon</td><td>0</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.397	Average System Voltage	363.24	CH4 - Methane	0	Carbon Monoxide	0	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-2.6252	Drive Trace Energy Economy Rating	-2.1692	Drive Trace Inertia Work Ratio Rating	-4.2227	Integrated Amp-hours	47.908	Manufacturer Fuel Economy	0	Nitrogen Oxide	0	Non-methane Hydrocarbon	0	Non-methane organic gases	0	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	8.9049	System Start State of Charge Watt-hours	12.159	Total Hydrocarbon	0	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	7.397																																						
	Average System Voltage	363.24																																						
	CH4 - Methane	0																																						
	Carbon Monoxide	0																																						
	Carbon dioxide	0																																						
	Carbon-Related Exhaust Emissions	0																																						
	Drive Trace Absolute Speed Change Rating	-2.6252																																						
	Drive Trace Energy Economy Rating	-2.1692																																						
	Drive Trace Inertia Work Ratio Rating	-4.2227																																						
	Integrated Amp-hours	47.908																																						
	Manufacturer Fuel Economy	0																																						
	Nitrogen Oxide	0																																						
	Non-methane Hydrocarbon	0																																						
	Non-methane organic gases	0																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	8.9049																																						
	System Start State of Charge Watt-hours	12.159																																						
	Total Hydrocarbon	0																																						
Charge Depleting Bag/Phase #6																																								

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.458</td></tr><tr><td>Average System Voltage</td><td>354.48</td></tr><tr><td>CH4 - Methane</td><td>0.00373</td></tr><tr><td>Carbon Monoxide</td><td>0.19803</td></tr><tr><td>Carbon dioxide</td><td>84</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>84</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-2.1458</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.7989</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-3.4188</td></tr><tr><td>Integrated Amp-hours</td><td>56.991</td></tr><tr><td>Manufacturer Fuel Economy</td><td>106.4</td></tr><tr><td>Nitrogen Oxide</td><td>0.00158</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0.02685</td></tr><tr><td>Non-methane organic gases</td><td>0.02765</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>6.0646</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>8.9049</td></tr><tr><td>Total Hydrocarbon</td><td>0.03038</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.458	Average System Voltage	354.48	CH4 - Methane	0.00373	Carbon Monoxide	0.19803	Carbon dioxide	84	Carbon-Related Exhaust Emissions	84	Drive Trace Absolute Speed Change Rating	-2.1458	Drive Trace Energy Economy Rating	-0.7989	Drive Trace Inertia Work Ratio Rating	-3.4188	Integrated Amp-hours	56.991	Manufacturer Fuel Economy	106.4	Nitrogen Oxide	0.00158	Non-methane Hydrocarbon	0.02685	Non-methane organic gases	0.02765	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	6.0646	System Start State of Charge Watt-hours	8.9049	Total Hydrocarbon	0.03038	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	7.458																																						
	Average System Voltage	354.48																																						
	CH4 - Methane	0.00373																																						
	Carbon Monoxide	0.19803																																						
	Carbon dioxide	84																																						
	Carbon-Related Exhaust Emissions	84																																						
	Drive Trace Absolute Speed Change Rating	-2.1458																																						
	Drive Trace Energy Economy Rating	-0.7989																																						
	Drive Trace Inertia Work Ratio Rating	-3.4188																																						
	Integrated Amp-hours	56.991																																						
	Manufacturer Fuel Economy	106.4																																						
	Nitrogen Oxide	0.00158																																						
	Non-methane Hydrocarbon	0.02685																																						
	Non-methane organic gases	0.02765																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	6.0646																																						
	System Start State of Charge Watt-hours	8.9049																																						
	Total Hydrocarbon	0.03038																																						
Charge Depleting Bag/Phase #7																																								

Charge Depleting Bag/Phase #7

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																						
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.442</td></tr><tr><td>Average System Voltage</td><td>355.41</td></tr><tr><td>CH4 - Methane</td><td>0.00494</td></tr><tr><td>Carbon Monoxide</td><td>0.64169</td></tr><tr><td>Carbon dioxide</td><td>394</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>395</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-2.5761</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.8351</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-3.8753</td></tr><tr><td>Integrated Amp-hours</td><td>57.273</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.6</td></tr><tr><td>Nitrogen Oxide</td><td>0.00002</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0.00244</td></tr><tr><td>Non-methane organic gases</td><td>0.00251</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>6.0882</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>6.0646</td></tr><tr><td>Total Hydrocarbon</td><td>0.00711</td></tr></table>			Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.442	Average System Voltage	355.41	CH4 - Methane	0.00494	Carbon Monoxide	0.64169	Carbon dioxide	394	Carbon-Related Exhaust Emissions	395	Drive Trace Absolute Speed Change Rating	-2.5761	Drive Trace Energy Economy Rating	-0.8351	Drive Trace Inertia Work Ratio Rating	-3.8753	Integrated Amp-hours	57.273	Manufacturer Fuel Economy	22.6	Nitrogen Oxide	0.00002	Non-methane Hydrocarbon	0.00244	Non-methane organic gases	0.00251	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	6.0882	System Start State of Charge Watt-hours	6.0646	Total Hydrocarbon	0.00711
Test Result/Emission Name	Unrounded Test Result																																								
Actual Distance Driven (miles)	7.442																																								
Average System Voltage	355.41																																								
CH4 - Methane	0.00494																																								
Carbon Monoxide	0.64169																																								
Carbon dioxide	394																																								
Carbon-Related Exhaust Emissions	395																																								
Drive Trace Absolute Speed Change Rating	-2.5761																																								
Drive Trace Energy Economy Rating	-0.8351																																								
Drive Trace Inertia Work Ratio Rating	-3.8753																																								
Integrated Amp-hours	57.273																																								
Manufacturer Fuel Economy	22.6																																								
Nitrogen Oxide	0.00002																																								
Non-methane Hydrocarbon	0.00244																																								
Non-methane organic gases	0.00251																																								
Non-methane organic gases plus Nitrogen Oxides	999.999																																								
System End State of Charge Watt-hours	6.0882																																								
System Start State of Charge Watt-hours	6.0646																																								
Total Hydrocarbon	0.00711																																								
Manufacturer Test Comments	MY2027 Lamborghini Urus Plug-In Hybrid - Charge Depleting UDDS. Whr values entered as kWhr.																																								

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Test #	VVGA10094521	Test Procedure	84 - Charge Depleting Highway
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	04/30/2026	Fuel	N/A
Fuel Batch ID	LB0025	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	Automobili Lamborghini S.p.A.		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5113	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	24.401
Charge Depleting Range (Calculated miles)	50.268	Charge Depleting Range (Actual miles)	49.854
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	2017
All Electric Range Unadjusted (miles)	49.854	Equivalent All Electric Range (miles)	50.268
Number of Charge Depleting Bags/Phases Conducted	7	Transition Bag/Phase Number	5
Charge Depleting Bag/Phase #1			

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.269	
	Average System Voltage	403.73	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-1.7215	
	Drive Trace Energy Economy Rating	-0.6442	
	Drive Trace Inertia Work Ratio Rating	-2.2288	
	Integrated Amp-hours	11.427	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	21.383	
	System Start State of Charge Watt-hours	25.9	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.259	
	Average System Voltage	388.95	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-3.0134	
	Drive Trace Energy Economy Rating	-1.1788	
	Drive Trace Inertia Work Ratio Rating	-3.3693	
	Integrated Amp-hours	22.551	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	17.212	
	System Start State of Charge Watt-hours	21.383	
	Total Hydrocarbon	0	

Charge Depleting Bag/Phase #3

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.248</td></tr><tr><td>Average System Voltage</td><td>375.56</td></tr><tr><td>CH4 - Methane</td><td>0</td></tr><tr><td>Carbon Monoxide</td><td>0</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.526</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.0356</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.0941</td></tr><tr><td>Integrated Amp-hours</td><td>34.096</td></tr><tr><td>Manufacturer Fuel Economy</td><td>0</td></tr><tr><td>Nitrogen Oxide</td><td>0</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0</td></tr><tr><td>Non-methane organic gases</td><td>0</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>13.035</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>17.212</td></tr><tr><td>Total Hydrocarbon</td><td>0</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.248	Average System Voltage	375.56	CH4 - Methane	0	Carbon Monoxide	0	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.526	Drive Trace Energy Economy Rating	-1.0356	Drive Trace Inertia Work Ratio Rating	-2.0941	Integrated Amp-hours	34.096	Manufacturer Fuel Economy	0	Nitrogen Oxide	0	Non-methane Hydrocarbon	0	Non-methane organic gases	0	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	13.035	System Start State of Charge Watt-hours	17.212	Total Hydrocarbon	0	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	10.248																																						
	Average System Voltage	375.56																																						
	CH4 - Methane	0																																						
	Carbon Monoxide	0																																						
	Carbon dioxide	0																																						
	Carbon-Related Exhaust Emissions	0																																						
	Drive Trace Absolute Speed Change Rating	-1.526																																						
	Drive Trace Energy Economy Rating	-1.0356																																						
	Drive Trace Inertia Work Ratio Rating	-2.0941																																						
	Integrated Amp-hours	34.096																																						
	Manufacturer Fuel Economy	0																																						
	Nitrogen Oxide	0																																						
	Non-methane Hydrocarbon	0																																						
	Non-methane organic gases	0																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	13.035																																						
	System Start State of Charge Watt-hours	17.212																																						
	Total Hydrocarbon	0																																						
Charge Depleting Bag/Phase #4																																								

Charge Depleting Bag/Phase #4

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.242</td></tr><tr><td>Average System Voltage</td><td>361.79</td></tr><tr><td>CH4 - Methane</td><td>0</td></tr><tr><td>Carbon Monoxide</td><td>0</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.526</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.127</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.2639</td></tr><tr><td>Integrated Amp-hours</td><td>45.826</td></tr><tr><td>Manufacturer Fuel Economy</td><td>0</td></tr><tr><td>Nitrogen Oxide</td><td>0</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0</td></tr><tr><td>Non-methane organic gases</td><td>0</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>8.969</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>13.035</td></tr><tr><td>Total Hydrocarbon</td><td>0</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.242	Average System Voltage	361.79	CH4 - Methane	0	Carbon Monoxide	0	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.526	Drive Trace Energy Economy Rating	-1.127	Drive Trace Inertia Work Ratio Rating	-2.2639	Integrated Amp-hours	45.826	Manufacturer Fuel Economy	0	Nitrogen Oxide	0	Non-methane Hydrocarbon	0	Non-methane organic gases	0	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	8.969	System Start State of Charge Watt-hours	13.035	Total Hydrocarbon	0	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	10.242																																						
	Average System Voltage	361.79																																						
	CH4 - Methane	0																																						
	Carbon Monoxide	0																																						
	Carbon dioxide	0																																						
	Carbon-Related Exhaust Emissions	0																																						
	Drive Trace Absolute Speed Change Rating	-1.526																																						
	Drive Trace Energy Economy Rating	-1.127																																						
	Drive Trace Inertia Work Ratio Rating	-2.2639																																						
	Integrated Amp-hours	45.826																																						
	Manufacturer Fuel Economy	0																																						
	Nitrogen Oxide	0																																						
	Non-methane Hydrocarbon	0																																						
	Non-methane organic gases	0																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	8.969																																						
	System Start State of Charge Watt-hours	13.035																																						
	Total Hydrocarbon	0																																						
Charge Depleting Bag/Phase #5																																								

Charge Depleting Bag/Phase #5

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.255</td></tr><tr><td>Average System Voltage</td><td>351.6</td></tr><tr><td>CH4 - Methane</td><td>0.00237</td></tr><tr><td>Carbon Monoxide</td><td>0.16383</td></tr><tr><td>Carbon dioxide</td><td>75.37</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>75</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-4.4602</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.4683</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-5.4077</td></tr><tr><td>Integrated Amp-hours</td><td>56.404</td></tr><tr><td>Manufacturer Fuel Economy</td><td>0</td></tr><tr><td>Nitrogen Oxide</td><td>0.00226</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0.02694</td></tr><tr><td>Non-methane organic gases</td><td>0.02775</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>5.441</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>8.969</td></tr><tr><td>Total Hydrocarbon</td><td>0.02918</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.255	Average System Voltage	351.6	CH4 - Methane	0.00237	Carbon Monoxide	0.16383	Carbon dioxide	75.37	Carbon-Related Exhaust Emissions	75	Drive Trace Absolute Speed Change Rating	-4.4602	Drive Trace Energy Economy Rating	-0.4683	Drive Trace Inertia Work Ratio Rating	-5.4077	Integrated Amp-hours	56.404	Manufacturer Fuel Economy	0	Nitrogen Oxide	0.00226	Non-methane Hydrocarbon	0.02694	Non-methane organic gases	0.02775	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	5.441	System Start State of Charge Watt-hours	8.969	Total Hydrocarbon	0.02918	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	10.255																																						
	Average System Voltage	351.6																																						
	CH4 - Methane	0.00237																																						
	Carbon Monoxide	0.16383																																						
	Carbon dioxide	75.37																																						
	Carbon-Related Exhaust Emissions	75																																						
	Drive Trace Absolute Speed Change Rating	-4.4602																																						
	Drive Trace Energy Economy Rating	-0.4683																																						
	Drive Trace Inertia Work Ratio Rating	-5.4077																																						
	Integrated Amp-hours	56.404																																						
	Manufacturer Fuel Economy	0																																						
	Nitrogen Oxide	0.00226																																						
	Non-methane Hydrocarbon	0.02694																																						
	Non-methane organic gases	0.02775																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	5.441																																						
	System Start State of Charge Watt-hours	8.969																																						
	Total Hydrocarbon	0.02918																																						
Charge Depleting Bag/Phase #6																																								

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.254</td></tr><tr><td>Average System Voltage</td><td>358.79</td></tr><tr><td>CH4 - Methane</td><td>0.00072</td></tr><tr><td>Carbon Monoxide</td><td>0.22492</td></tr><tr><td>Carbon dioxide</td><td>357.11</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>357</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-4.9269</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.8628</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-6.8507</td></tr><tr><td>Integrated Amp-hours</td><td>54.813</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.97</td></tr><tr><td>Nitrogen Oxide</td><td>0.00063</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0</td></tr><tr><td>Non-methane organic gases</td><td>0</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>6.209</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>5.441</td></tr><tr><td>Total Hydrocarbon</td><td>0.00036</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.254	Average System Voltage	358.79	CH4 - Methane	0.00072	Carbon Monoxide	0.22492	Carbon dioxide	357.11	Carbon-Related Exhaust Emissions	357	Drive Trace Absolute Speed Change Rating	-4.9269	Drive Trace Energy Economy Rating	-0.8628	Drive Trace Inertia Work Ratio Rating	-6.8507	Integrated Amp-hours	54.813	Manufacturer Fuel Economy	24.97	Nitrogen Oxide	0.00063	Non-methane Hydrocarbon	0	Non-methane organic gases	0	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	6.209	System Start State of Charge Watt-hours	5.441	Total Hydrocarbon	0.00036	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	10.254																																						
	Average System Voltage	358.79																																						
	CH4 - Methane	0.00072																																						
	Carbon Monoxide	0.22492																																						
	Carbon dioxide	357.11																																						
	Carbon-Related Exhaust Emissions	357																																						
	Drive Trace Absolute Speed Change Rating	-4.9269																																						
	Drive Trace Energy Economy Rating	-0.8628																																						
	Drive Trace Inertia Work Ratio Rating	-6.8507																																						
	Integrated Amp-hours	54.813																																						
	Manufacturer Fuel Economy	24.97																																						
	Nitrogen Oxide	0.00063																																						
	Non-methane Hydrocarbon	0																																						
	Non-methane organic gases	0																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	6.209																																						
	System Start State of Charge Watt-hours	5.441																																						
	Total Hydrocarbon	0.00036																																						
Charge Depleting Bag/Phase #7																																								

Charge Depleting Bag/Phase #7

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS																																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.216</td></tr><tr><td>Average System Voltage</td><td>357.74</td></tr><tr><td>CH4 - Methane</td><td>0.00403</td></tr><tr><td>Carbon Monoxide</td><td>0.43976</td></tr><tr><td>Carbon dioxide</td><td>318.63</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>319</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-8.3963</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.9627</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-10.8731</td></tr><tr><td>Integrated Amp-hours</td><td>54.736</td></tr><tr><td>Manufacturer Fuel Economy</td><td>27.95</td></tr><tr><td>Nitrogen Oxide</td><td>0.00006</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0.00263</td></tr><tr><td>Non-methane organic gases</td><td>0.00271</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>6.423</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>6.209</td></tr><tr><td>Total Hydrocarbon</td><td>0.00645</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.216	Average System Voltage	357.74	CH4 - Methane	0.00403	Carbon Monoxide	0.43976	Carbon dioxide	318.63	Carbon-Related Exhaust Emissions	319	Drive Trace Absolute Speed Change Rating	-8.3963	Drive Trace Energy Economy Rating	-0.9627	Drive Trace Inertia Work Ratio Rating	-10.8731	Integrated Amp-hours	54.736	Manufacturer Fuel Economy	27.95	Nitrogen Oxide	0.00006	Non-methane Hydrocarbon	0.00263	Non-methane organic gases	0.00271	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	6.423	System Start State of Charge Watt-hours	6.209	Total Hydrocarbon	0.00645	
	Test Result/Emission Name	Unrounded Test Result																																						
	Actual Distance Driven (miles)	10.216																																						
	Average System Voltage	357.74																																						
	CH4 - Methane	0.00403																																						
	Carbon Monoxide	0.43976																																						
	Carbon dioxide	318.63																																						
	Carbon-Related Exhaust Emissions	319																																						
	Drive Trace Absolute Speed Change Rating	-8.3963																																						
	Drive Trace Energy Economy Rating	-0.9627																																						
	Drive Trace Inertia Work Ratio Rating	-10.8731																																						
	Integrated Amp-hours	54.736																																						
	Manufacturer Fuel Economy	27.95																																						
	Nitrogen Oxide	0.00006																																						
	Non-methane Hydrocarbon	0.00263																																						
	Non-methane organic gases	0.00271																																						
	Non-methane organic gases plus Nitrogen Oxides	999.999																																						
	System End State of Charge Watt-hours	6.423																																						
	System Start State of Charge Watt-hours	6.209																																						
	Total Hydrocarbon	0.00645																																						

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Fuel Properties			
Fuel Batch ID	W22	Fuel Calibration Number	24
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	01/19/2023
Fuel Batch Calibration Effective Date	01/19/2023	Fuel Batch Calibration Ineffective Date	01/31/2028
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.741
Fuel Ethanol Volume Percent (%)	10.1	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17962
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.834	Weight Fraction CO2	--
Fuel Batch ID	LB0022	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	06/19/2025
Fuel Batch Calibration Effective Date	06/24/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.754
Fuel Ethanol Volume Percent (%)	9.6	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.461	Fuel Carbon Mass Fraction (E10)	0.829
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	LB0025	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	08/15/2025
Fuel Batch Calibration Effective Date	01/13/2026	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.744
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18421
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.867	Weight Fraction CO2	--
Fuel Batch ID	LB0024	Fuel Calibration Number	1
Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)	Fuel Batch Calibration Date	04/23/2025
Fuel Batch Calibration Effective Date	04/25/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--

Certification Summary Information Report

Test Group	VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.748
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.5	Fuel Carbon Mass Fraction (E10)	0.826
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	IG0060	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	03/13/2026
Fuel Batch Calibration Effective Date	03/23/2026	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.755
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.43	Fuel Carbon Mass Fraction (E10)	0.828
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VVGAT04.0LTA			Evaporative/Refueling Family		VVGAR0176LCS		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code		Both		
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level		Federal Tier 3 Bin 70		
Fuel		Gasoline			Test Procedure		Federal fuel 2-day exhaust (w/can load)		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.6400	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0027	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0012	0.010
150,000 miles	CO	--	--	--	--	--	--	0.240	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.0984	--	--	--	0.0098	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.090
150,000 miles	NOX	--	--	--	--	--	--	0.0070	99.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003
Cert Region		California + CAA Section 177 states			Cert/In-Use Code		Both		
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level		California LEV-III ULEV70		
Fuel		Gasoline			Test Procedure		Federal fuel 2-day exhaust (w/can load)		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.240	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.0984	--	--	--	0.0098	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.090
150,000 miles	NOX	--	--	--	--	--	--	0.0070	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.003

Certification Summary Information Report

Test Group	VVGAT04.0LTA				Evaporative/Refueling Family			VVGAR0176LCS	
Cert Region	Federal				Cert/In-Use Code			Both	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)				Standard Level			Federal Tier 3 Bin 70	
Fuel	Gasoline				Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.240	99.999
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0098	99.999
150,000 miles	NOX	--	--	--	--	--	--	0.0070	99.999

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-III ULEV70	
Fuel	Gasoline				Test Procedure			Fed. fuel 50 F exh.	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	--	--	1.7
4,000 miles	NMOG	--	--	1.0984	--	--	--	--	99.999
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.140
4,000 miles	NOX	--	--	--	--	--	--	--	99.999

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-III ULEV70	
Fuel	Gasoline				Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0098	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.0070	99.999

Certification Summary Information Report

Test Group	VVGAT04.0LTA				Evaporative/Refueling Family			VVGAR0176LCS	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-III ULEV70	
Fuel	Gasoline				Test Procedure			US06	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.240	99.999
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0098	99.999
150,000 miles	NOX	--	--	--	--	--	--	0.0070	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.006

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-III ULEV70	
Fuel	Gasoline				Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.240	99.999
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0098	99.999
150,000 miles	NOX	--	--	--	--	--	--	0.0070	99.999

Cert Region	Federal				Cert/In-Use Code			Both	
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)				Standard Level			Federal Tier 3 Bin 70	
Fuel	Gasoline				Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.6400	999
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0098	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.0070	99.999

Certification Summary Information Report

Test Group		VVGAT04.0LTA			Evaporative/Refueling Family			VVGAR0176LCS	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 70	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.240	10.0
120,000 miles	HC-NM	--	--	--	--	--	--	0.0098	0.5

Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 70	
Fuel		Gasoline			Test Procedure			US06	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.240	99.999
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0098	99.999
150,000 miles	NOX	--	--	--	--	--	--	0.0070	99.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.006

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-III ULEV70	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.240	10.0

Evaporative/Refueling Standards

Evaporative/Refueling Family		VVGAR0176LCS		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		

Certification Summary Information Report

Test Group		VVGAT04.0LTA		Evaporative/Refueling Family		VVGAR0176LCS	
Evaporative/Refueling Family		VVGAR0176LCS		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0030		
Evaporative/Refueling Family		VVGAR0176LCS		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC	--	0.20	0.005		
Evaporative/Refueling Family		VVGAR0176LCS		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0067		
Evaporative/Refueling Family		VVGAR0176LCS		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0067		
Evaporative/Refueling Family		VVGAR0176LCS		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		

Certification Summary Information Report

Test Group		VVGAT04.0LTA		Evaporative/Refueling Family		VVGAR0176LCS	
Evaporative/Refueling Family		VVGAR0176LCS		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0030		
Evaporative/Refueling Family		VVGAR0176LCS		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC	--	0.20	0.005		

Certification Summary Information Report

Test Group		VVGAT04.0LTA	Evaporative/Refueling Family	VVGAR0176LCS
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		VVGAT04.0LTA	Evaporative/Refueling Family		VVGAR0176LCS
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		VVGAT04.0LTA	Evaporative/Refueling Family		VVGAR0176LCS
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		VVGAT04.0LTA	Evaporative/Refueling Family		VVGAR0176LCS
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	

8. Emission Testing Waiver Statements

Emissions Continuity Compliance Statement NMOG, CO, CO₂, NO_x, N₂O, CH₄, and HCHO

In accordance with EPA Guidance Letter CD-14-19 and 40 CFR 86.1809-12 (e) the Volkswagen Group hereby certifies that based on engineering evaluations of emission testing there is no discontinuity in emission performance of NMOG, CO, CO₂, NO_x, N₂O, CH₄ and HCHO as measured and averaged over the Federal Test Procedure and the Highway Test Procedure in the temperature range of 20°F to 86°F for vehicles in this test group.

The normal operation of the emission control system consists of:

(i) Cycling back and forth in a narrow window between rich and lean operation as a result of feedback controls targeted to maintain overall engine operation at stoichiometry.

(ii) Small changes in the target air-fuel ratio to optimize vehicle emissions or drivability. This may be called "closed loop biasing."

(iii) Temporary enrichment in response to rapid throttle motion.

(iv) Enrichment during cold-start and warm-up conditions.

(v) Temporary air/fuel mixture modulation for running OBD checks to comply with California OBD regulations contained in 13 CCR §1968.2.

(vi) Infrequent operation modes, e.g. PM trap regeneration, are certified under special provisions of the CFR".

The modulation of the emission control system can cause step changes in emissions and CO₂ depending on the driving condition (engine speed and load). This modulation is not forming a discontinuity in emissions because it is included in the Federal Test Procedures and is working under the same conditions during on-road operation.

91 RON (Knock Sensor): Compliance Statement:

(Note: Statement only applies to regular fuel concepts)

In accordance with EPA Guidance Letter CD-14-19 and VPCD-97-01, city and highway fuel economy test result differences between 91 RON operation and 96 RON operation are within 3% and there are no emission increases (beyond normal test variability) using 91 RON fuel with a comparable fuel specification when tested on the FTP or SFTP cycles.

A/C Calibrations – Compliance Statement

In accordance with EPA Guidance Letter CD-14-19 and 40 CFR 86.1811-17 (d) (3) there are neither A/C-on specific calibrations nor A/C-on specific "open-loop" or "commanded" air fuel enrichment strategies incorporated into the vehicle design of this Test Group.

Lean Best Torque Compliance Statement

In accordance with EPA Guidance Letter CD-14-19 and 40 CFR 86.1811-17 (d) (1) the air fuel ratio is not richer at any time over the US06 cycle than the leanest air fuel ratio required to obtain maximum torque plus a tolerance of four percent. Other enrichments, if applicable e.g. for part protection, are described in the AECD description of the test group (section 16).

Lean-On Cruise Compliance Statement

In accordance with EPA Guidance Letter CD-14-19 and 40 CFR 86.1811-17 (d) (4) there are no "Lean-on-cruise" calibration strategies incorporated into the vehicle design of this test group.

OBD Compliance Statement

The OBD system meets the full intent of both the EPA Tier 3 Regulations contained in CFR Title 40 Part 86.1806-17 and the California OBD regulations contained in 13 CCR §1968.2.

Leak Free Exhaust System Compliance Statement

In accordance with 40 CFR 86.1844-01(d)(16(i), the Volkswagen Group hereby states that, for vehicles described in this application, as appropriate, it has conducted an engineering analysis of the complete exhaust system to ensure that the exhaust system has been designed:

(A) To facilitate leak-free assembly, installation and operation for the full useful life of the vehicles, and

(B) to facilitate that such repairs as might be necessary on a properly maintained and used vehicle can be performed in such a manner as to maintain leak-free operation, using tools commonly available in a motor vehicle dealership or independent repair shop for the full useful life of the vehicle.

A "leak-free" exhaust system is understood from the engine block to the point in the exhaust system behind the last component of exhaust aftertreatment system (e.g. catalyst).

Silencer/muffler and tailpipes are not part of the exhaust aftertreatment system when installed downstream the last component of exhaust aftertreatment.

For installation/mounting of the exhaust system clamps and/or flanges are used with a technical leakage specification ensuring compliance with exhaust emission standards in-use. Meaning: The exhaust system is designed to fulfill the lowest leakage according to state-of-the-art exhaust aftertreatment systems.

High Altitude Exhaust Emissions Compliance Statement

In accordance with 40 CFR 86.1829-15 (c), The Volkswagen Group hereby certifies that, based upon engineering evaluation and high altitude emission tests conducted on similar vehicles, all vehicles of this test group comply with the high altitude exhaust emissions requirements.

Formaldehyde Emissions Compliance Statement

In accordance with 86.1829-15 (d) (4), and based upon good engineering judgment, the Volkswagen Group hereby states that vehicles certified based upon NMHC emissions comply with the applicable formaldehyde emission standards.

High Altitude Evaporative/Refueling Emissions Compliance Statement

In accordance with 40 CFR 86.1829-01 (b) (2) (ii) (B), the Volkswagen Group hereby certifies that, based upon engineering evaluation and high altitude evaporative/refueling tests conducted on similar vehicles, all vehicles of this test group comply with the high altitude evaporative/refueling emissions requirements.

Spitback Compliance Statement

In accordance 40 CFR 86.1829-15 (e) (5) the Volkswagen Group hereby certifies that the vehicle inherently meets the Fuel Dispensing Spitback Standard as part of compliance with the refueling emission standard. This certification applies to the full useful life of the vehicle. Testing is therefore not required.

Evaporative Leak Test Compliance Statement

In accordance with 40 CFR 86.1829-15 (e) (4), the Volkswagen Group hereby certifies that, based upon engineering evaluation all vehicles in the evaporative/refueling emission family comply with the evaporative emission standard outlined in 40 CFR 86.1813-17 (a) (4).

Driver-Selectable modes Compliance Statement

In accordance with EPA Guidance Letter CISC-09-19, all driver-selectable transmission drive modes are deemed to comply with emission standards.

9.0 OBD System Description

9.1 Summary Table

Refer to Section 16 (included in OBD II A – P application)

9.2 California Air Resources Board OBD System Approval Letter.

Refer to Section 16

10. Description of Alternate Fueled Vehicles

Not applicable

11. Auxiliary Emission Control Devices (AECD) Descriptions

Refer to Section 16.2 of this Application

12.0 List of Certified Vehicles

Durability Group	VVGAGPGNNLTA
Test Group	VVGAT04.0LTA
Evap Family	VVGAR0176LCS
Emission Control System:	DFI / 2CAC / 2TC / 2WR-HO2S / 2TWC / 2HO2S

Engine Displacement:	4.0 l
Valves per Cylinder:	V8
Sales Area:	50 states
MMS:	MG1
SIL:	N/A

Engine Code	Model	Vehicle Class	Engine Code Characteristics			HP @RPM	Torque @RPM [lb-ft]	Trans. / OD	ETW	Curb Weight [lbs]	GVWR [lbs]	Fuel Tank Capacity [Gal]	Canister working capacity [g]	Tire size	N/V Ratio	Start/ Stop [Y/N]
			Cat. Code	Compression ratio	Idle [rpm]											
DWHE	Urus SE	LDT	JM842	9.7	550	611 @6000	590 lb-ft @ 2250-4500	8	6000	5831	7022	20.9	176	F:285/35ZR23 R:325/30ZR23 F: 285/40ZR22 R: 325/35ZR22	21.6 21.4	N

*1Nm = 0.737561 lbfxft

12.1 Transmissions

Transmission	Transmission Characteristic												
	Drivetrain	Gear Count	Lock-Up rpm		Gearbox Ratios								
			Gear	min/max	Axle	Gear 1	Gear 2	Gear 3	Gear 4	Gear 5	Gear 6	Gear 7	Gear 8
AL956E-8A	AWD	8	1- 8	n.a.	2.953	4.714	3.143	2.106	1.667	1.285	1	0.839	0.667

12.2 Test conditions

Model	ETW	Road Track Coefficients						TRL50	TCDT	Fan Pos.	Drive Mode for Testing	Shift Sched. I.D.	J1711 Version Used: (applicable to PHEV only)
		F0	F1	F2	F0	F1	F2						
	[lbs]	[lb*f]	[lb*f/mph]	[lb*f/(mph)²]	[N]	[N/(km/h)]	[N/(km/h)²]	[hp]	[s]				
Urus SE	6000	67.92	0.2416	0.03096	302.12	0.6677	0.05317	21.0	17.9	20	Corsa ricarica for Emission tests EV mode for Consumption tests	AUTOMATIC	Jun 2010

Vehicle Starting procedure:
Start engine by turning key to “Start” position or by pushing the Engine “Stop/Start” button.
The vehicle will show “READY” in the instrument cluster.
To drive the vehicle the doors must be closed and the seatbelts have to be buckled in.
Press the brake pedal and move the selector lever into the P or N position.

ESP/ABS Deactivation procedure
Dyno Mode must be activated.
Refer to Section 16 for Dyno Mode activation procedure.

Fan Position during dyno testing:
FTP / HWY = Road Speed Fan (Modulated)
US06 = Road Speed Fan (Modulated)

Automatic Headlight System:
Automatic headlight system must be disabled prior to any emissions or fuel economy / range testing. Automatic headlights can be turned off via the infotainment / MMI screen.
Please contact VWGoA Engineering and Environmental Office if you need assistance with disabling the automatic headlights.

Daytime Running Lights (DRL):
Daytime running lights must be disabled prior to fuel economy / range testing. DRLs can be turned off via the infotainment / MMI screen.
Please contact VWGoA Engineering and Environmental Office if you need assistance with disabling the daytime running lights.

SAE Tested Version:
Vehicles in this test group were tested according to SAE J1711 ver. 2010

Climate Control Settings used for testing:
22°C + Recirculation + max Fan-Speed + air vent on to driver

12.3 e-Motor Details

Model Name	
Engine Identification Number	Rear: ECTB
Engine Management System	Rear: KTZ 40 X 56 S 001 -HITACHI
Nominal Voltage	370V
<u>ECTB (Front Axle)</u>	
Transmission Arrangement (Parallel / Transaxial / Other)	N.A.
Motor Maximum Speed	N.A
Gearbox Outlet Shaft (gear engaged)	N.A.
Direct Current (DC) / Alternating Current (AC) number of phases	N.A.
Maximum Net Torque (at zero speed) acc. to SAE J2907	N.A.
Maximum Net Power	N.A.
Maximum Net Torque	N.A.
Horsepower	N.A.
<u>ECTB (Rear Axle)</u>	
Transmission Arrangement (Parallel / Transaxial / Other)	COAXIAL
Motor Maximum Speed	7000 rpm
Gearbox Outlet Shaft (gear engaged)	DIRECT DRIVE
Direct Current (DC) / Alternating Current (AC) number of phases	ALTERNATING CURRENT (AC) / 3 PHASES
Maximum Net Torque (at zero speed) acc. to SAEJ2907	483 Nm
Maximum Net Power	141KW @3200 rpm
Maximum Net Torque	483NM @2788 rpm
Horsepower	189HP @3200 rpm
<u>Combined</u>	
Maximum Power (Boost)	589 KW @ 6000 rpm
Maximum Power	589 KW @ 6000 rpm
Maximum Power (Boost)	789 HP @ 6000 rpm
Maximum Torque (Boost)	950 NM @ 1750-5500 rpm
Maximum Torque	950 NM @ 1750-5500 rpm

12.4 Battery details

Battery Manufacturer	SAMSUNG SDI HUNGARY, LTD.
Battery Type / Chemistry	NCA
Number of Battery Cells	102
Cell Design	PRISMATIC
Number of Battery Modules	NO MODULES
Battery Cathode	NCA
Battery Anode	BLENDING GRAPHITE
Electrolyte Type	LIPF6 SALT
Total Weight of Battery System	157.8 kg
Nominal voltage	370 V
Battery Working Voltage	353.1 – 417.5 V
Total System Energy Capacity (Ah)	Gross: 70 Ah Net: 66.5 Ah
Energy Density (Whr/Kg)	164.13 Wh/kg
Battery Thermal Management	LIQUID

12.5 Charging details

Charging unit 1 for high-voltage battery



The charging unit converts the AC current from the charging connection to DC current. There is a 7.2 kW charging unit. The charging unit is in the front of the vehicle under the subframe and can be accessed from above. The wipers and covers must be disassembled to remove the charging unit.

The charging unit itself is water-cooled. The conversion to direct current is performed via electrical isolation.

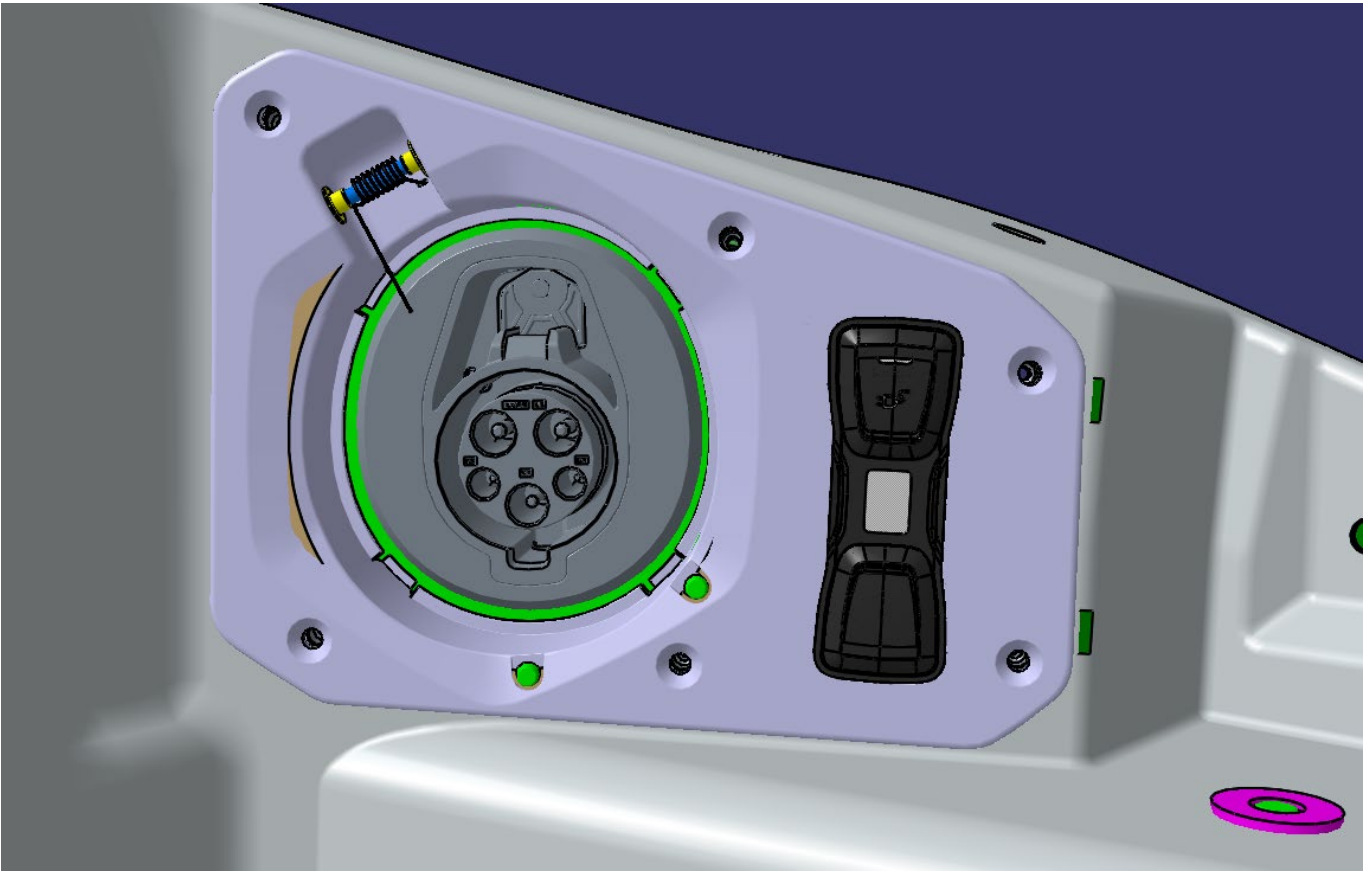
Input	100 V - 240 V
	16 A - 32 A
Output	220 V - 500 V
Phases	1, 2-phase AC charging
Max. AC charging power	7.2 kW
Efficiency	94 %
Operating range	-40°C - 85°C
Weight	8 kg

The charging unit is regulated by control unit for high-voltage battery charging unit J1050. It monitors and regulates the charging process.

The following components are connected directly to charging unit 1 for high-voltage battery.

- › Actuator for high-voltage charging flap lock.
- › LED module for charging socket
- › Actuator for high-voltage charging socket lock
- › High-voltage battery charging socket
- › Temperature sender for charging socket
- › Temperature sender 2 for charging socket
- › Temperature sender 3 for charging socket

High-voltage battery charging socket



AC

Connector (USA)	Type 1
Number of phases	1
Max. AC charging power	7.2 kW

There are different charging sockets for the different regions.

- > China AC is used for AC
- > EU AC is used for AC

Charging displays

Light on charging unit		Meaning
Green	Pulsating	Charging high-voltage battery
Yellow	Pulsating	Emergency charging mode active. Reduced charging power, fault
Green	Lit up	Charging process completed
Red	Lit up	Charging connector not locked, outside temperature too low or too high

Manual release mechanism for charging connector



If the charging connector cannot be unplugged from the vehicle charging connection, it must be released manually. To do this, the parking brake must be closed and the vehicle unlocked.



Note

For detailed information, please refer to the Owner's Manual.

13.0 Test Group Projected Sales

Refer to Section 16 of this Test Group Application

13.1 Compliance Plans

Refer to Section 16 of the Common Section

14.0 Request for Certificate

14.1 Statement of Compliance

Based on good engineering judgment, the Volkswagen Group states that all the vehicles described in this application for Certification comply with all applicable standards and regulations, incl. the provisions of 40 CFR Parts 85, 86 and 600.

14.2. Durability Statement

Based on the Volkswagen Group's good engineering judgment, all the vehicles described in this Application for Certification comply with all applicable intermediate and full useful life standards

15.0 Other Information

15.1 Revision Index

[illegible]

15.2 Running Change (RC) / Field Fix (FF) Log

Running Change / Field Fix Log for test group only.

Model Year: 2027
Test Group: VVGAT04.0LTA
Models: Urus SE
Evaporative Family: VVGAR0176LCS

[illegible]

15.3 ORVR Safety Application for Carry-Over ORVR Systems

Volkswagen is using standard technology in all MY2027 vehicles ORVR systems. In accordance with EPA Guidance letter CISC-06-06, ORVR application will not be submitted.

Mr. Joshua Kimball
Compliance and Innovative Strategies Division
Office of Mobile Sources
U. S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, MI 48105

Anthony D'Ambrosi Name
Dir, Homologation Title
EEO - Certification Department
(248) 754-4396 Phone
Tony.DAmbrosi@vw.com E-Mail

June 23, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAT04.0LTA with Evaporative Families:
VVGAR0176LCS.

Dear Mr. Kimball,

We submit, with this letter, the model year 2027 Part 1 Application for Emissions
Certification for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
VVGAT04.0LTA	Tier 4 Interim Bin 70 LEV3 ULEV 70	Federal California

Copies of the Certification Fee filing form and OBD approval letter are contained in
sections 15 and 16 of the included electronic application.

All vehicles within this test group comply with all applicable regulations contained in
40 CFR Part 86, Part 1066 and the compliance statements contained in sections 8
and 14.

This submission constitutes our final application and the request for issuance of a
Certificate of Conformity.

If you have any questions with regard to this information please contact our office in
Auburn Hills at (248) 754-4396.

Sincerely,

D'Ambrosi Anthony
VWPki
5406C07D40F4331C
Date: 2026.06.23 13:45:56
-04'00'

Anthony D'Ambrosi
Volkswagen Group of America, Inc.
Engineering and Environmental Office

Enclosure(s)

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 02/23/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

VGA

Manufacturer Name *

Volkswagen Group of America

Contact Name *

Greg Allen

Contact Email Address *

Gregory.Allen@vw.com

Contact Phone *

248-754-4209

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 *

VVGAT04.0LTA

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 ACH

Comments

MY2027 Certification fee for VVGAT04.0LTA
Pay.gov Tracking ID: 27VRSFMQ
Agency Tracking ID: 77305124314

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.

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

Anthony D'Ambrosi Name
Dir, Homologation Title
EEO – Certification Department
(248) 754-4396 Phone
Tony.DAmbrosi@vw.com E-Mail
June 23, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAT04.0LTA with Evaporative Families:
VVGAR0176LCS.

Dear Ms. Lang,

We submit, with this letter, the model year 2027 Part 1 Application for Emissions
Certification for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
VVGAT04.0LTA	Tier 4 Interim Bin 70 LEV3 ULEV 70	Federal California

This submission constitutes our final application and the request for issuance of the
Executive Order.

If you have any questions with regard to this information please contact our office in
Auburn Hills at (248) 754-4396.

Sincerely,

D'Ambrosi Anthony
VWPKI
5406C07D40F4331
C

Digitally signed by
D'Ambrosi Anthony VWPKI
5406C07D40F4331C
Date: 2026.06.23 13:44:53
+04'00'

Anthony D'Ambrosi
Volkswagen Group of America, Inc.
Engineering and Environmental Office

Enclosure(s)

California ARB Information

17.1 California Compliance Statements

Production Vehicle same as Test Vehicle Statement

The production vehicles represented by the particular engine families will be in all material respects of the same design as those for which vehicle approval is granted.

Smog Check Compliance Statement

Vehicles in this test group meet California's BAR Smog Check requirement in 16 CCR § 3340.42 by having a compliant OBD system (13 CCR § 1968.2) that will satisfy the California BAR-OIS OBD focused test method and the OBD pass-fail criteria in 16 CCR § 3340.42.2(c).

CARB Fill Pipe Bench Leak Rate Compliance Statement

In accordance with Section VI (Bench Leak Rate Specification) of the Air Resources Board document, "Specifications for fill pipes and openings of 2015 and subsequent model motor vehicle fuel tanks", amended on May 31, 2019, the VW Group hereby attests that, for the leak family(s) stated, the systems meet the specifications in Section VI when tested per the test procedure in section VIII.

Environmental Performance Label Information

VW Group applies new EPA label in lieu of the CA EP label.

California Emissions Warranty Statement

Please refer to California Emissions Warranty booklets located in Section 16 of the Common Section.

Adjustable Parameters/Tamper Resistance Statement

The emission control system contains no devices that contain parameters that are designed, and/or intended, to be physically capable of being adjusted

17.2 Fill Pipe Specifications

Please refer to the Section 16

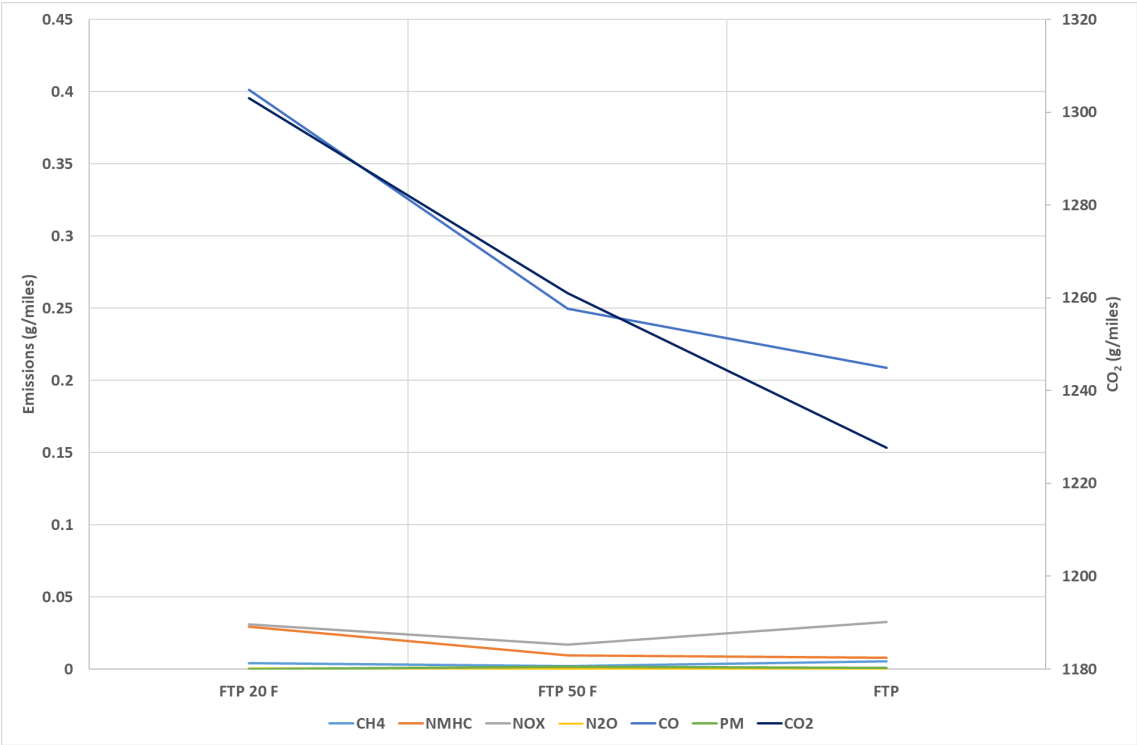
17.3 Evaporative Emission Deterioration Program

Please refer to Common Section Application

17.4 Assembly line NMOG / NMHC Factor

F_{NMOG}: Calculated per EPA 40CFR part 1066

17.5 Continuity of Emissions



17.6 Applicable Deterioration Factors

EPA Assigned DF's:

	THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	NMOG+NOx (g/mi)
50k	-	-	-	-	0.24	-	-	-
150k	-	0.0089	0.0098	0.007	0.24	0.0003	0.0000	0.0168

17.7 Recharging Procedures

Please refer to Section 12.5 Charging details

17.8 Climate Control System Description

Please refer to Section 16.7

17.9 Battery Specific Energy data and Calculations (C/3 energy capacity)

Not Applicable

17.10 Vehicle and Battery Break-in

Volkswagen Group PHEVs are operated either on-track or on a mileage accumulation dynamometer for **4,000** miles using the Standard Road Cycle (SRC)

17.11 Proper and Safe Operation of the Vehicle

Please refer to Section 16.4

VWGoA has implemented a nationwide recycling program for the transportation and recycling of lithium ion (li-ion) batteries used to power full battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs). The program is available to affiliate dealers.

Additionally, as part of the Alternative Fuel Vehicles Safety Training Program, VW Group vehicles have an extensive list of precautionary / safety related measures that can be found at the links below:

<https://www.lamborghini.com/en-en/guide-for-emergency-responders>

21.0 Vehicle Emission Control Information Label

		Automobili LAMBORGHINI, S.p.A. VEHICLE EMISSION CONTROL INFORMATION	
Conforms to regulations:		<u>2027 MY</u>	
U.S. EPA:	<u>Bin70 LDT4</u>	OBD: <u>CA II</u>	Fuel: <u>Gasoline</u>
California:	<u>ULEV 70 LDT</u>	OBD: <u>CA II</u>	Fuel: <u>Gasoline</u>
No adjustments needed.		DFI/2CAC/2TC/2WR- HO2S/2TWC/2HO2S	
Group: VVGAT04.0LTA Evap: VVGAR0176LCS		4ML010533*	

21.2 Engine Control Module (ECM) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	4ML907557H	4ML557H 0001CVAB	E6 E4 1F B5	

21.2.1 *Clutch control unit (Mode09 Cal-ID + CVN via ECM)*

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	0D7.142.057.E	CCU057E 00370000	5A C7 A5 98	

21.3 Transmission Control Module (TCM) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	AL952E-8Q	4ML927158AC	4ML158AC0002U200	7E BE EA 1E	Test in Homologation
Urus SE	AL952E-8Q	4ML927158AC	4ML158AC0003U200	18 8F 83 39	Series production

21.4 Gateway Control Module Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	4KL907468AC	4KL468AC00740000	82 7C C7 4E	Test in Homologation
Urus SE	DWHE	4KL907468AC	4KL468AC00740000	30 CF 2A 44	Series production With ACC
Urus SE	DWHE	4KE907468AC	4KE468AC00740000	AD 66 10 D5	Series production w/o ACC

21.5 Battery Energy Control Module (BECM) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	4M0915231AL	4M0231ALFD0FD22F	FD 0F D2 2F	Test in Homologation
Urus SE	DWHE	4M0915231AL	4M0231AL13E3EADB	13 E3 EA DB	Series production

21.5.1 *Battery Junction Box (Mode09 Cal-ID + CVN via BECM)*

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	4M0915249AQ	4M0249AQY604BAK0	82 09 68 95	Test in Homologation
Urus SE	DWHE	4M0915249AR	4M0249AR0243BAK0	18 89 3F EE	Series production

21.6 Brake System Control Module Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	4ML.907.379	4ML379 3734F4A5	37 34 F4 A5	Test in Homologation
Urus SE	DWHE	4ML.907.379.A	4ML379A ACA74193	ACA74193	Series production

21.7 Battery Charger Control Module (BCCM)

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	9Y0915681AM	9Y0681AM3325JUBB	37 7F B5 7F	

21.8 Drive Motor Control Module 1 (DMCM 1) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	9Y0907080Q	9Y0080Q+821DBD22	82 1D BD 22	

21.11 Thermo-Management Control Module (VTCM) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	4M0965429BK	4M0429BKFJSF2255	E5 08 1C 96	Test in Homologation
Urus SE	DWHE	4M0965429BL	4M0429BLFJWC2255	FC299A2A	Series production

21.12 Electric AC Compressor (EKK) (Slave of VTCM) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	4G0816797G	4G0797G 00190015	BC 24 D4 8F	

21.13 DC/DC Converter Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Urus SE	DWHE	4M0907171E	4M0171E+0011ACH0	39 B0 BB D0	