

Kim, Seong Hun

From: noreply@salesforce.com on behalf of California Air <mcertfees@arb.ca.gov>
Sent: Friday, February 27, 2026 10:38 AM
To: Kim, Seong Hun
Subject: [From: External] MS Fee Payment Confirmation for Invoice MSF250788
Attachments: MSF250788 - signed.pdf

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Dear Seong Hun Kim

Attached is documentation for your MS Fee payment for Invoice Name MSF250788. 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 – 25RA0309
2. Date of Payment – 2/26/2026
3. Payment Status - Paid



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

CARB USE ONLY

Invoice Name	MSF250788
Invoice Date	Feb 06, 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

Payment Row Number	Product Description or File Name	Model Year/Calendar Year	Unique Application Identifier: Test Group, Engine Family, Trailer Family, Vehicle Family, ZEP Family, if applicable (ID listed in payment row must match the unique identifier given to the certification application)	Category Type	Fee Type	Amount
1	Audi_RSQ8,S8	Model Year 2027	VVGAJ04.0NAT	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
2	Audi_A8	Model Year 2027	VVGAV03.0N7M	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00
3	Audi_SQ8	Model Year 2027	VVGAT04.0NAV	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00
4	Audi_Q8	Model Year 2027	VVGAT03.0N7N	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00
5	Audi_Q4 eton quattro	Model Year 2027	VVGAV00.0A4A	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
6	Audi_Q4 eton	Model Year 2027	VVGAV00.0A4R	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
7	Audi_etron GT	Model Year 2027	VVGAV00.0NZG	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00

Total Due	\$ 163,505.00
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I, Tony D'Ambrosi
Tony D'Ambrosi (Feb 6, 2026 15:39:10 EST)

, attest that any information provided is true, accurate, and complete.

(Responsible Party Signature Here)



AUDI AG, a member of the Volkswagen Group

Application for Emissions Certification

2027 Model Year

Durability Group: VVGAHHGNNN7N

Evap. Family: VVGAR0182NCM

Test Group: VVGAT03.0N7N

Certificate Number: VVGAT03.0N7N-xxx
Durability Group Description: Four Stroke, Otto Cycle, Gasoline Fueled, Direct Fuel Injection, Catalyst Code: JM842 (PRE), JM842 (MAIN), 48V MHEV

Test Group Description: 3.0I DFI/TC/CAC/TWC/WR-HO2S/HO2S

Applicable Exhaust Standards: 50 State Federal: Tier 4 interim Bin 70
California: LEVIV ULEV70

Applicable Evaporative Standards: 50 State Tier 4 interim FEL: 450 mg
LEV IV FEL: 450 mg

Carlines Covered: Q8 quattro

Vehicles Tested:

VID	Config.	Test Type / #	Test Type / #
TN7N-Q8-016	0	2xUDDS / TVGA10094190	HFET / TVGA10094191
		US06 / TVGA10094192	SC03 / TVGA10094193
		20°F FTP / TVGA10094194	50°F FTP/ TVGA10094189
RA77-Q7-452	0	ORVR / RVGA10080552	2-Day / RVGA10080553
		3-Day / RVGA10080554	Running Loss / RVGA10080555
EC-9YA-19	0	BETP / KPRX10054425	

Issue Date: 05/19/2026

Questions, Contact:
EEO Office, Auburn Hills, Michigan

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1 Correspondence and Communication

Please refer to the Common Section

2 Durability Group Description

Durability Source Basics	
Durability Procedure	VW / Audi ADP
Durability Group Name	VVGAHHGNNN7N
Source of Durability Data	RN7N-Q8-ADP
Relation Factor BAT VWADP / BAT SRC	2.22
Engine Type	Piston
Combustion Method	Otto cycle, four Stroke
Fuel Used	Gasoline
Basic Fuel Metering System	Direct Injection
Displacement [l]	3.0

Catalyst / After treatment device specifics		
	Durability Group Statistics	Durability Data Vehicle
Catalyst Construction		Monolith
Precious Metal Composition TWC		Paladium, Rhodium
PTOX TWC		n.a.
NAC:1 SCRC: 2		n.a.
Total Catalyst Volume [l]		3.46
Total Precious Metal Loading [g]		10.23
Precious Metal Load Rate PM [g] / CV [l]		2.96
Cat. Grouping Statistic	4.7	3.4*
Durability Group Limit (25% or 0.2 g/l)	3.5	-
Test Group Covered		VVGAT03.0N7N

* Grouping approved by EPA 03/11/2020

3 Evaporative / Refueling Family Description

			C/O - BETP
Evaporative / Refueling Family Name		VVGAR0182NCM	BETP C/O EC-9YA-19
Vapor storage device	Canister	Yes	Yes
	Other	-	-
Basic canister design	Working Capacity (g)	176	176
	Bed Volume (cm ³)	2660	2660
	Number, config.	1	1
	Geometry	Other	Other
	Construction	5-Chamber	5-Chamber
	Bleeding trap	Yes	Yes
	Bleed trap Working Capacity (g)	6-10	6-10
	Material	Plastic	Plastic
Fuel System		DFI	DFI
Type of refueling system	Integrated	Yes	Yes
	Non-integrated	-	-
	Other	-	-
Fill pipe seal mechanism	Liquid seal	Yes	Yes
	Mechanical Seal	-	-
	Other	-	-
Method of controlling vapor flow to the engine	Vacuum	-	-
	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	-	-
	Plastic	Yes	Yes
	Other	-	-
Test groups combined with this Evap. family		VVGAT03.0N7N VVGAJ04.0NAT VVGAT04.0NAV	

4 Durability Procedure Description

Please refer to the Common Section

5 Test Group Description

Evap. Family:	VVGAR0182NCM
Test Group Name:	VVGAT03.0N7N
Certificate Number:	VVGAT03.0N7N-xxx
Engine displacements covered:	3.0 liters
Arrangement and number of cylinders:	V6
Vehicle class(es) covered:	LDT4
Federal Emissions Standards Class:	Tier 4 Interim BIN 70
California Emissions Standards Class:	LEV IV 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: VVGAT03.0N7N-xxx
Models: Q8 quattro
Test Group: VVGAT03.0N7N
Evaporative/Refueling Family: VVGAR0182NCM

VID	Config.	Vehicle Type	Tests Performed
TN7N-Q8-016	0	Cert Emission E10 Fuel	FTP75, HFET, US06, SC03, 20°F FTP, 50°F FTP
TN7N-Q8-016	0	GHG E0 Fuel	FTP75, HFET, US06, SC03
RN7N-Q8	1	Fuel Economy E0 Fuel	FTP75, HFET, US06, SC03, 20°F FTP
RA77-Q7-452	0	Evap Emission	2Day Evap, 3Day Evap, R/L, ORVR
EC-9YA-19	0	Evap Emission	BETP

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	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	05/19/2026 04:38:33 PM
Model Year	2027		

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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	No
Fuel Cell Indicator	No	EPA Vehicle Class	LDT4
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VVGAHHGNNN7N	Durability Group Equivalency Factor	2.2
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	SVGAT04.0NAV
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	1
OBD Deficiencies Comments	--		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	04/06/2026 11:03:50 AM				
Integrated ORVR?	Yes	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	Plastic				
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)	182	Number of Primary Canisters	1				
Number of Bleed Canisters	1	Bleed Canister Total Working Capacity (grams)	10				
Mfr Evaporative/Refueling Family Comments	Integrated Bleed Canister FEL 450mg						
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				
VVGAR0182NCM-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.	2 - Audi	380 - Q8 quattro	Federal	All Wheel Drive	Semi-Automatic	8	No
Volkswagen Group of America, Inc.	2 - Audi	380 - Q8 quattro	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	0W20 VW50800				
Number of Cylinders/Rotors	6	Mechanically Variable Compression Ratio Indicator	N				

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
After Treatment Device(s) (ATD)			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
1	Three-way catalyst	Palladium + Rhodium	Ceramic
Substrate Construction			
Monolith			
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)	3.0	Engine Rated Horsepower	335
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	1
Air Aspiration Device Configuration	Single	Charge Air Cooler Type	Air
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Adjust the inlet and outlet camshaft continuously between retarded and advanced position. The maximum adjustment speed is limited by mechanical system (e.g. oil viscosity).		
Variable Valve Lift?	Yes		
Variable Valve Lift System Description	Audi Valve Lift System		
Number of Knock Sensors	2	Number of Air/Fuel Sensors	2
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	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 DCBD var: 0		

Official Test Numbers										
Test Group						EPA City	EPA City	EPA	EPA	CREE
Fuel	FTP	US06	SC03	Cold CO	Highway	Litmus	Litmus	Highway	Highway	Weighting
						Value	Threshold	Value	Threshold	Factor
Gasoline	TVGA10094190	TVGA10094192	TVGA10094193	TVGA10094194	TVGA10094191	--	13.8	--	17.9	--
Electricity	TVGA10094190	TVGA10094192	TVGA10094193	TVGA10094194	TVGA10094191	--	--	--	--	--

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
SFTP LEV-III Official Test Numbers			
Test Group Fuel	FTP	US06	SC03
Gasoline	TVGA10094190	TVGA10094192	TVGA10094193
Electricity	TVGA10094190	TVGA10094192	TVGA10094193
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	48	Battery Energy Capacity	9.50
Battery Specific Energy	51.0	Battery Charger Type	On-Board
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	No
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	1		
Motor/Generator Type 1	Belt-Driven-Starter-Generator	Rated Motor/Generator Power	9
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	--		

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM						
Emission Data Vehicle Information									
Vehicle ID / Configuration	EC-9YA-19 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	KPRXT03.0CV6	Original Evaporative/Refueling Family	KPRXR0150RED						
Original Test Vehicle Model Year	2019								
Vehicle Model									
Represented Test Vehicle Make	Porsche	Represented Test Vehicle Model	Cayenne						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
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> </tbody> </table>			Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	0.9982						
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	332						
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	2-Wheel Drive, Rear						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4696	Equivalent Test Weight (pounds)	5000						
GVWR (lbs)	6239	N/V Ratio	48.8						
Axle Ratio	3.21								
Transmission Type	Semi-Automatic	# of Transmission Gears	8						
Transmission Lockup	Yes	Creeper Gear	No						

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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Dynamometer Coefficients:

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	49.458	0.71636	0.01991	49.458	0.71636	0.01991	18
Cold CO	49.458	0.71636	0.01991	49.458	0.71636	0.01991	N/A
US06	49.458	0.71636	0.01991	49.458	0.71636	0.01991	N/A

Emission Control Device Comments --
Manufacturer Test Vehicle Comments Evap test vehicle for base Cayenne, Cayenne S, and Cayenne Turbo

Test #	KPRX10054425	Test Procedure	65 - Evap Canister Bleed Test
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	05/26/2018	Fuel	N/A
Fuel Batch ID	CAFW17	Fuel Calibration Number	745
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	VW: VGA/7		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4303	Odometer Units	M
4WD Test Dyno	No	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
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.009	--

Manufacturer Test Comments new "E3" (all non-hybrid Cayenne models); E10 fuel; Porsche test number E48-255-18 (VW Wolfsburg)

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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Dynamometer Coefficients:

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	61.37	0.1473	0.02847	3.42	-0.0376	0.02777	18.7
Cold CO	67.51	0.162	0.03132	-7.72	-0.1046	0.03054	N/A
US06	61.37	0.1473	0.02847	3.42	-0.0376	0.02777	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments MY2024 Audi Q7 2.0L tested with E10 fuel for Exhaust EDV (and Evap) and also E0 fuel for FEDV.

Test #	RVGA10080553	Test Procedure	23 - 2-day evap
Exhaust Test # for this Evap Test	RVGA10080546	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	02/14/2023	Fuel	Gasoline
Fuel Batch ID	IG0025	Fuel Calibration Number	3
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	5446	Odometer Units	K
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
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.311	--

Manufacturer Test Comments --

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	0.3110	0.0110	0.322	0.450	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.3110	0.011	0.322	0.450	Pass

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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Test #	RVGA10080554	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	RVGA10080549	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	03/31/2023	Fuel	Gasoline
Fuel Batch ID	IG0025	Fuel Calibration Number	5
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	6048	Odometer Units	K
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
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.207	--

Manufacturer Test Comments --

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	0.2070	0.0140	0.221	0.450	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2070	0.014	0.221	0.450	Pass

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test #	RVGA10080552	Test Procedure	24 - Federal fuel refueling test (ORVR)
Exhaust Test # for this Evap Test	RVGA10080538	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	01/24/2023	Fuel	Gasoline
Fuel Batch ID	IG0025	Fuel Calibration Number	2
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	5131	Odometer Units	K
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
HC (Hydrocarbon for Running Loss and ORVR)	0.009	--

Manufacturer Test Comments --

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	0.009	0.007	0.02	0.20	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC	0.009	0.007	0.02	0.20	Pass

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test #	RVGA10080555	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	RVGA10080549	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	03/31/2023	Fuel	Gasoline
Fuel Batch ID	IG0025	Fuel Calibration Number	5
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	6020	Odometer Units	K
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
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0	--

Manufacturer Test Comments --

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-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.000	0.000	0.00	0.05	Pass

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM									
Emission Data Vehicle Information												
Vehicle ID / Configuration	TN7N-Q8-016 / 0	Manufacturer Vehicle Configuration Number	0									
Original Test Group Name	TVGAJ03.0N7N	Original Evaporative/Refueling Family	TVGAR0182NCM									
Original Test Vehicle Model Year	2026											
Vehicle Model												
Represented Test Vehicle Make	Audi	Represented Test Vehicle Model	Q8 quattro									
Leak Family Details												
Leak Family Identifier	001	Leak Family Name	TVGAR0182NCM-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>Electric Motor</td> <td>Electricity</td> </tr> <tr> <td>2</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity	2	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel										
1	Electric Motor	Electricity										
2	Combustion Engine	Gasoline										
Hybrid Indicator	Yes											
Multiple Fuel Storage	--	Multiple Fuel Combustion	--									
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes									
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--									
Off-board charge Capable Indicator	No											
Odometer Correction -- Initial	0	Odometer Correction Factor	1.0159									
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor											
Odometer Correction Units	Kilometers											
Engine Code	DCBD	Rated Horsepower	335									
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)	5126	Equivalent Test Weight (pounds)	5500									
GVWR (lbs)	6471	N/V Ratio	24.3									
Axle Ratio	3.5											
Transmission Type	Semi-Automatic	# of Transmission Gears	8									
Transmission Lockup	Yes	Creep Gear	No									

Certification Summary Information Report

Test Group		VVGAT03.0N7N			Evaporative/Refueling Family			VVGAR0182NCM
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	58.8	0.1162	0.03152	-1.77	0.2636	0.0282	19.1	
Cold CO	64.68	0.1279	0.03467	-17.48	0.3839	0.02935	N/A	
US06	58.8	0.1162	0.03152	-1.77	0.2636	0.0282	N/A	
Emission Control Device Comments	--							
Manufacturer Test Vehicle Comments	--							

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test #	TVGA10094189	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	04/15/2026	Fuel	Gasoline
Fuel Batch ID	NK0028	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Neckarsulm		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5478	Odometer Units	K
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		VVGAT03.0N7N				Evaporative/Refueling Family				VVGAR0182NCM		
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-IV ULEV70	CO	0.31	--	--	--	--	--	0.3	1.7	Pass
CA	4,000 miles	California LEV-IV ULEV70	NMOG	0.0210	--	1.0998	--	--	--	0.021	99.999	Pass
CA	4,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.03412	--	--	--	--	--	0.034	0.140	Pass
CA	4,000 miles	California LEV-IV ULEV70	NOX	0.01312	--	--	--	--	--	0.0131	99.9999	Pass

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test #	TVGA10094190	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	04/24/2026	Fuel	Gasoline
Fuel Batch ID	NK0028	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Neckarsulm		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5804	Odometer Units	K
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	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
ACT-DISTANCE (Actual Distance Driven (miles))	14.92	--	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	483.0433141	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.66	--	
CH4 BAG 1 (Bag 1 Methane)	0.0102	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0782	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	518.8729443	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.16	--	
CH4 BAG 2 (Bag 2 Methane)	0	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0003	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	447.7507221	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.4	--	
CH4 BAG 3 (Bag 3 Methane)	0.0002	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0004	--	
CO2 BAG 4 (Bag 4 Carbon Dioxide)	517.789212	--	
CO BAG 4 (Bag 4 Carbon Monoxide)	0.19	--	
CH4 BAG 4 (Bag 4 Methane)	0	--	
NMOG BAG 4 (Bag 4 Non-methane organic gases)	0.0003	--	
METHANE (CH4 - Methane)	0.0021866	--	
CO (Carbon Monoxide)	0.3381692	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.211367	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.3191655	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.3827559	--	
MFR FE (Manufacturer Fuel Economy)	17.6	17.6	
NOX (Nitrogen Oxide)	0.0168899	--	
N2O (Nitrous Oxide)	0.0007388	--	
HC-NM (Non-methane Hydrocarbon)	0.0149541	--	
NMOG (Non-methane organic gases)	0.0165	--	
PM (Particulate Matter)	0.0005897	--	
HC-TOTAL (Total Hydrocarbon)	0.0168749	--	
WATT-HRS (Watt Hours)	10.302	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	493	493	

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test #	TVGA10094194	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/30/2026	Fuel	Gasoline
Fuel Batch ID	NK0028	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Neckarsulm		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5920	Odometer Units	K
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		VVGAT03.0N7N			Evaporative/Refueling Family				VVGAR0182NCM			
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: COLDCO Tested as Q8 quattro EDV ETW: 5500 RLHP: 19.1. No watt hr value reported from power analyzer.										
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 4 Bin 70	CO	0.68	--	--	--	0.1000	--	0.8	10.0	Pass
Fed	120,000 miles	Federal Tier 4 Bin 70	HC-NM	0.11	--	--	--	0.0053	--	0.1	0.3	Pass
CA	50,000 miles	California LEV-IV ULEV70	CO	0.68	--	--	--	0.1000	--	0.8	12.5	Pass

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test #	TVGA10094191	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/24/2026	Fuel	Gasoline
Fuel Batch ID	NK0028	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Neckarsulm		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5828	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
ACT-DISTANCE (Actual Distance Driven (miles))	10.256	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0.1645174	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.411727	--
DT-EER (Drive Trace Energy Economy Rating)	0.1715881	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.690715	--
MFR FE (Manufacturer Fuel Economy)	25.9	25.9
NOX (Nitrogen Oxide)	0.0033374	--
N2O (Nitrous Oxide)	0.0001443	--
HC-NM (Non-methane Hydrocarbon)	0.0006901	--
NMOG (Non-methane organic gases)	0.0007	--
PM (Particulate Matter)	0.0001834	--
HC-TOTAL (Total Hydrocarbon)	0	--
WATT-HRS (Watt Hours)	0.943	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	336	336

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	336.45348	--

Certification Summary Information Report

Test Group		VVGAT03.0N7N		Evaporative/Refueling Family				VVGAR0182NCM				
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: HWY Tested as Q8 quattro EDV ETW: 5500 RLHP: 19.1										
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 4 Bin 70	CREE	336	--	--	--	0.4200	--	336	--	--
Fed	150,000 miles	Federal Tier 4 Bin 70	NMOG	0.0007	--	1.0300	--	0.0072	--	0.008	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 70	NMOG+NOX	0.0040	--	--	--	--	--	0.015	0.070	Pass
Fed	150,000 miles	Federal Tier 4 Bin 70	NOX	0.0033	--	--	--	0.0035	--	0.007	99.000	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0007	--	1.0300	--	0.0072	--	0.008	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.00404	--	--	--	--	--	0.015	0.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.00334	--	--	--	0.0035	--	0.0068	99.9990	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	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test #	TVGA10094192	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/24/2026	Fuel	Gasoline
Fuel Batch ID	NK0028	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Neckarsulm		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5860	Odometer Units	K
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	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
	ACT-DISTANCE (Actual Distance Driven (miles))	8.009	--
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	708.6981268	--
	CO BAG 1 (Bag 1 Carbon Monoxide)	0.62	--
	CH4 BAG 1 (Bag 1 Methane)	0.0095	--
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0174	--
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	400.0067964	--
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.29	--
	CH4 BAG 2 (Bag 2 Methane)	0.0025	--
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0038	--
	METHANE (CH4 - Methane)	0.0040439	--
	CO (Carbon Monoxide)	0.3645061	--
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-3.217607	--
	DT-EER (Drive Trace Energy Economy Rating)	-1.344299	--
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-6.286389	--
	MFR FE (Manufacturer Fuel Economy)	18.6	18.6
	NOX (Nitrogen Oxide)	0.0076684	--
	N2O (Nitrous Oxide)	0.0001945	--
	HC-NM (Non-methane Hydrocarbon)	0.0066564	--
	NMOG (Non-methane organic gases)	0.0069	--
	PM (Particulate Matter)	0.0013215	--
	HC-TOTAL (Total Hydrocarbon)	0.0104933	--
	WATT-HRS (Watt Hours)	17.617	--
	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
	Carbon-Related Exhaust Emissions	469	--
	Test Result Name	Unrounded Test Result	Verify Calculated CO2
	Carbon dioxide	468.4983849	--

Manufacturer Test Comments

Lab Comments: kein Kommentar!; VeCeD: US06 Tested as Q8 quattro EDV ETW: 5500 RLHP: 19.1

Certification Summary Information Report

Test Group		VVGAT03.0N7N				Evaporative/Refueling Family				VVGAR0182NCM		
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 4 Bin 70	CO	0.36	--	--	--	0.3100	--	0.7	99.0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 70	NMOG	0.0069	--	1.0300	--	0.0072	--	0.014	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 70	NOX	0.0077	--	--	--	0.0035	--	0.011	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 70	PM	0.0013	--	--	--	0.0010	--	0.002	0.006	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.36	--	--	--	0.3100	--	0.7	9.6	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0069	--	1.0300	--	0.0072	--	0.014	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.01457	--	--	--	--	--	0.025	0.084	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.00767	--	--	--	0.0035	--	0.0112	99.9990	Pass
CA	150,000 miles	California LEV-IV ULEV70	PM	0.0013	--	--	--	0.0010	--	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Test #	TVGA10094193	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	04/24/2026	Fuel	Gasoline
Fuel Batch ID	NK0028	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Neckarsulm		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5897	Odometer Units	K
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	--
CO (Carbon Monoxide)	0.5842385	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.4519086	--
DT-EER (Drive Trace Energy Economy Rating)	0.2356732	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.2603676	--
MFR FE (Manufacturer Fuel Economy)	14.2	14.2
NOX (Nitrogen Oxide)	0.0181243	--
N2O (Nitrous Oxide)	0.0006011	--
HC-NM (Non-methane Hydrocarbon)	0.0013959	--
NMOG (Non-methane organic gases)	0.0014	--
PM (Particulate Matter)	0.0013833	--
HC-TOTAL (Total Hydrocarbon)	0.0005647	--
WATT-HRS (Watt Hours)	1.035	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	614	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	612.6576268	--

Certification Summary Information Report

Test Group		VVGAT03.0N7N		Evaporative/Refueling Family				VVGAR0182NCM				
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: SC03 Tested as Q8 quattro EDV ETW: 5500 RLHP: 19.1										
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 4 Bin 70	CO	0.58	--	--	--	0.3100	--	0.9	99.0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 70	NMOG	0.0014	--	1.0300	--	0.0072	--	0.009	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 70	NOX	0.0181	--	--	--	0.0035	--	0.022	99.000	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.58	--	--	--	0.3100	--	0.9	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0014	--	1.0300	--	0.0072	--	0.009	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.01952	--	--	--	--	--	0.030	0.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.01812	--	--	--	0.0035	--	0.0216	99.9990	Pass

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Fuel Properties			
Fuel Batch ID	IG0025	Fuel Calibration Number	2
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	06/24/2022
Fuel Batch Calibration Effective Date	11/28/2022	Fuel Batch Calibration Ineffective Date	11/28/2023
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.753
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17949
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--
Fuel Batch ID	NK0028	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	03/16/2026	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 (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.72	Fuel Carbon Mass Fraction (E10)	0.826
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	IG0025	Fuel Calibration Number	5
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	06/24/2022
Fuel Batch Calibration Effective Date	03/10/2023	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.753
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17949
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--
Fuel Batch ID	IG0025	Fuel Calibration Number	3
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	06/24/2022

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
Fuel Batch Calibration Effective Date	01/19/2023	Fuel Batch Calibration Ineffective Date	01/19/2024
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.753
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17949
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--
Fuel Batch ID	CAFW17	Fuel Calibration Number	745
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	12/14/2017
Fuel Batch Calibration Effective Date	12/14/2017	Fuel Batch Calibration Ineffective Date	12/31/2022
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.751
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17789
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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Consolidated List of Standards

Exhaust Standards

Cert Region	California + CAA Section 177 states	Cert/In-Use Code	Both
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	Standard Level	California LEV-IV 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	--	--	--	--	--	--	0.3100	9.6
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0072	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.084
150,000 miles	NOX	--	--	--	--	--	--	0.0035	99.9990
150,000 miles	PM	--	--	--	--	--	--	0.0010	0.006

Cert Region	Federal	Cert/In-Use Code	Both
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	Standard Level	Federal Tier 4 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	--	--	--	--	--	--	0.4200	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0034	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0000	0.010
150,000 miles	CO	--	--	--	--	--	--	0.3100	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004
150,000 miles	NMOG	--	--	1.0998	--	--	--	0.0072	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.090
150,000 miles	NOX	--	--	--	--	--	--	0.0035	99.000
150,000 miles	PM	--	--	--	--	--	--	0.0010	0.003

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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-IV 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	--	--	--	--	--	--	0.3100	1.7
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0072	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.0035	99.9990

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-IV 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	--	--	--	--	--	--	0.3100	1.7
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004
150,000 miles	NMOG	--	--	1.0998	--	--	--	0.0072	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.0035	99.9990
150,000 miles	PM	--	--	--	--	--	--	0.0010	0.003

Cert Region	Federal	Cert/In-Use Code	Both
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	Standard Level	Federal Tier 4 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	--	--	--	--	--	--	0.4200	999
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0072	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.0035	99.000

Certification Summary Information Report

Test Group		VVGAT03.0N7N			Evaporative/Refueling Family			VVGAR0182NCM		
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-IV 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	--	--	--	--	--	--	0.1000	12.5	

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both		
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-IV 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	--	--	--	0.0072	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070	
150,000 miles	NOX	--	--	--	--	--	--	0.0035	99.9990	

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-IV 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	HCHO	--	--	--	--	--	--	--	0.016	
4,000 miles	NMOG	--	--	1.0998	--	--	--	--	99.999	
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.140	
4,000 miles	NOX	--	--	--	--	--	--	--	99.9999	

Certification Summary Information Report

Test Group		VVGAT03.0N7N			Evaporative/Refueling Family			VVGAR0182NCM		
Cert Region		Federal			Cert/In-Use Code			Both		
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 4 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	--	--	--	--	--	--	0.3100	99.0	
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0072	99.000	
150,000 miles	NOX	--	--	--	--	--	--	0.0035	99.000	
150,000 miles	PM	--	--	--	--	--	--	0.0010	0.006	

Cert Region		Federal			Cert/In-Use Code			Both		
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 4 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	--	--	--	--	--	--	0.3100	99.0	
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0072	99.000	
150,000 miles	NOX	--	--	--	--	--	--	0.0035	99.000	

Cert Region		Federal			Cert/In-Use Code			Both		
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 4 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	--	--	--	--	--	--	0.1000	10.0	
120,000 miles	HC-NM	--	--	--	--	--	--	0.0053	0.3	

Evaporative/Refueling Standards

Certification Summary Information Report

Test Group		VVGAT03.0N7N	Evaporative/Refueling Family		VVGAR0182NCM
Evaporative/Refueling Family		VVGAR0182NCM	Cert Region		California + CAA Section 177 states California LEV-IV Zero Evap (Option 2)
Cert/In-Use Code		Both	Standard Level		
Test Procedure		Federal fuel 3-day evap			
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.450	0.014
Evaporative/Refueling Family		VVGAR0182NCM	Cert Region		California + CAA Section 177 states California LEV-IV Zero Evap (Option 2)
Cert/In-Use Code		Both	Standard Level		
Test Procedure		Evap Canister Bleed Test			
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	--
Evaporative/Refueling Family		VVGAR0182NCM	Cert Region		Federal Federal Tier 3 Evap
Cert/In-Use Code		Both	Standard Level		
Test Procedure		Federal fuel 3-day evap			
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.450	0.0140
Evaporative/Refueling Family		VVGAR0182NCM	Cert Region		California + CAA Section 177 states California LEV-IV Zero Evap (Option 2)
Cert/In-Use Code		Both	Standard Level		
Test Procedure		Federal fuel refueling test (ORVR)			
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC	--	0.20	0.007
Evaporative/Refueling Family		VVGAR0182NCM	Cert Region		California + CAA Section 177 states California LEV-IV Zero Evap (Option 2)
Cert/In-Use Code		Both	Standard Level		
Test Procedure		2-day evap			
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.450	0.011

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM		
Evaporative/Refueling Family	VVGAR0182NCM	Cert Region	California + CAA Section 177 states California LEV-IV Zero Evap (Option 2)		
Cert/In-Use Code	Both	Standard Level			
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
Evaporative/Refueling Family	VVGAR0182NCM	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
Evaporative/Refueling Family	VVGAR0182NCM	Cert Region	Federal		
Cert/In-Use Code	Both	Standard Level	Federal Tier 3 Evap		
Test Procedure	Evap Canister Bleed Test				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	--
Evaporative/Refueling Family	VVGAR0182NCM	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	0.007
Evaporative/Refueling Family	VVGAR0182NCM	Cert Region	Federal		
Cert/In-Use Code	Both	Standard Level	Federal Tier 3 Evap		
Test Procedure	2-day evap				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.450	0.0110

Certification Summary Information Report

Test Group	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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		VVGAT03.0N7N	Evaporative/Refueling Family		VVGAR0182NCM
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	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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	VVGAT03.0N7N	Evaporative/Refueling Family	VVGAR0182NCM
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.

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 CISD-09-19, all driver-selectable transmission drive modes are deemed to comply with emission standards.

9 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 K of the A-P OBD II Application

12 List of Certified Vehicles

Durability Group	VVGAHHGNNN7N
Test Group	VVGAT03.0N7N
Evap Family	VVGAR0182NCM
Emission Control System:	DFI/TC/CAC/TWC/WR-HO2S/HO2S

Engine Displacement:	3.0 liter
Valves per Cylinder:	4
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	GVWR [lbs]	Curb Weight [lbs]	Fuel Tank Capacity [Gal]	Canister working capacity [g]	Tire size	N/V Ratio	Start/Stop [Y/N]
			Cat. Code	Compression ratio	Idle [rpm]											
DCBD	Q8 quattro	LDT4	JM0842 (PRE), JM0842 (MAIN)	11.2 ±0.3	610±50	335 @ 5200-6400	369 @ 1370 - 4500	8 / 7+8	5500	6471	5081	22.5	176	285/45 R21 285/40 R22 285/35 R23	24.2 24.3 24.4	Y

*1Nm = 0.737561 lbf·ft

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
AL552-8Q (Q8 quattro)	AWD	8	1-8	n.a.	3.504	5.000	3.200	2.143	1.720	1.313	1.000	0.823	0.640

12.2 Test conditions

Model	ETW	Road Track Coefficients						TRL50	TCDT	Fuel Tank Cap.	Fan Pos.	Drive Mode for Testing	Shift Sched. I.D.	Test Fuel	DF Source
		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]	40% / 100% [Gal]					
Q8 quattro	5500	58.80	0.1162	0.03152	261.57	0.3213	0.05414	19.1	18.0	9 / 22.5	20	S	automatic	Tier 3 / Tier 2	RN7N-Q8-ADP
Q8 quattro	5500	54.85	-0.0081	0.03245	243.99	-0.0224	0.05573	18.1	19.1	9 / 22.5	20	D	automatic	Tier 2	RN7N-Q8-ADP

Engine Starting procedure:

Press the brake pedal and move the selector lever into the P or N position.

Start engine by turning key to "Start" position or by pushing the Engine "Stop/Start" button.

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.

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.

12.3 e-Motor Details

Model Name	Q8 quattro
Engine Identification Number	IBSG4UA1
Nominal Voltage	48V
Direct Current (DC) / Alternating Current (AC) number of phases	Alternating Current (AC) / 3 phases
Maximum Net Power	9.4 kW @ 2750 - 3000 rpm
Maximum Net Torque	62 Nm @ 0 - 1250 rpm

12.4 Battery details

Battery Type	Lithium Ion Battery
Number of Battery Cells	13
Number of Battery Modules	1
Total Weight of Battery System	8.9 kg
Nominal voltage	48 Volt
Battery Working Voltage	36 – 52 Volt
Total System Energy Capacity (Ah)	Gross: 9.5 Ah Net: 5.7 Ah
Energy Density (Wh/Kg)	51 Wh/kg
Battery Thermal Management	air

13 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 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

15.3 ORVR Safety Application for Carry-Over ORVR Systems

Volkswagen Group Vehicles use standard technology in all 2027MY vehicles ORVR systems. In accordance with EPA Guidance Letter CISC-06-06, ORVR applications will not be submitted.

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 *

VVGAT03.0N7N

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 VVGAT03.0N7N
Pay.gov Tracking ID: 27VRSFGV
Agency Tracking ID: 77305113896

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.

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

May 19, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAT03.0N7N with Evaporative Family
VVGAR0182NCM.

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>
VVGAT03.0N7N	Tier 4 interim Bin 70 LEVIV ULEV70	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
Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.05.19 14:27:44 -04'00'

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

Enclosure(s)

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
May 19, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAT03.0N7N with Evaporative Family
VVGAR0182NCM.

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>
VVGAT03.0N7N	Tier 4 interim Bin 70 LEVIV ULEV70	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
5406C07D40F4331C
Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.05.19 14:26:52 -04'00'

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

Enclosure(s)

17 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

LEV IV SC03 Compliance

In accordance with California Code of Regulations Title 13 Section 1961.4 (d)(4), Volkswagen Group attests that vehicles tested using the SC03 test procedure meet the NMOG+NOx and CO exhaust emissions requirements.

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

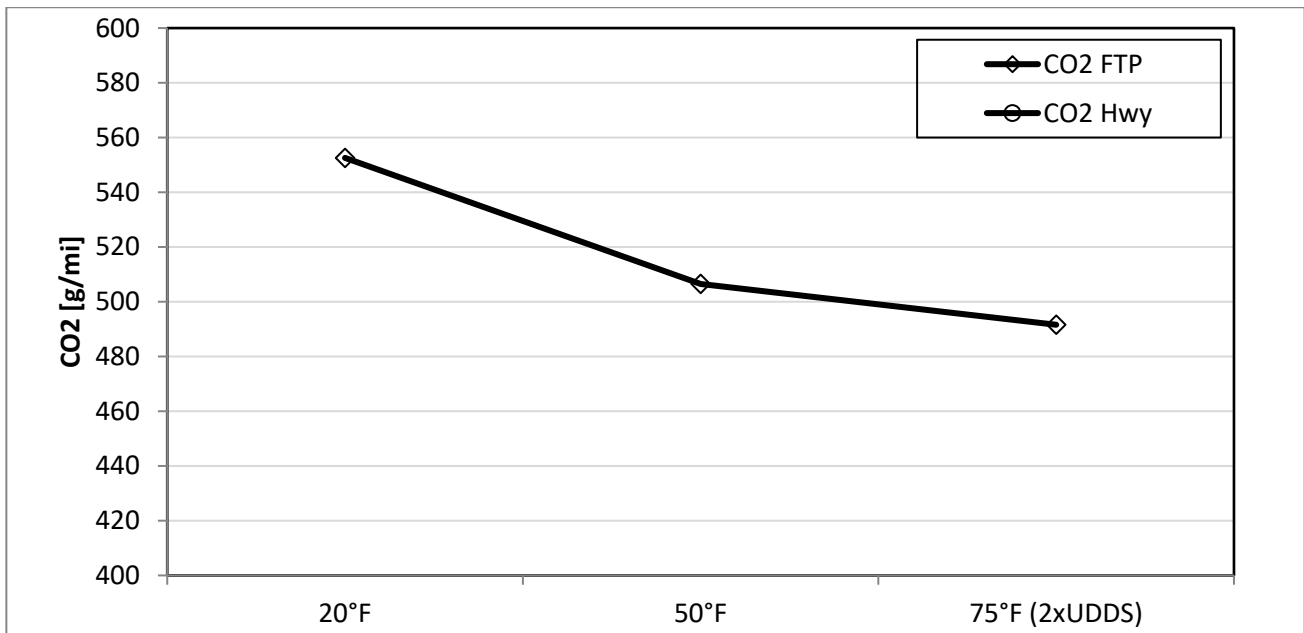
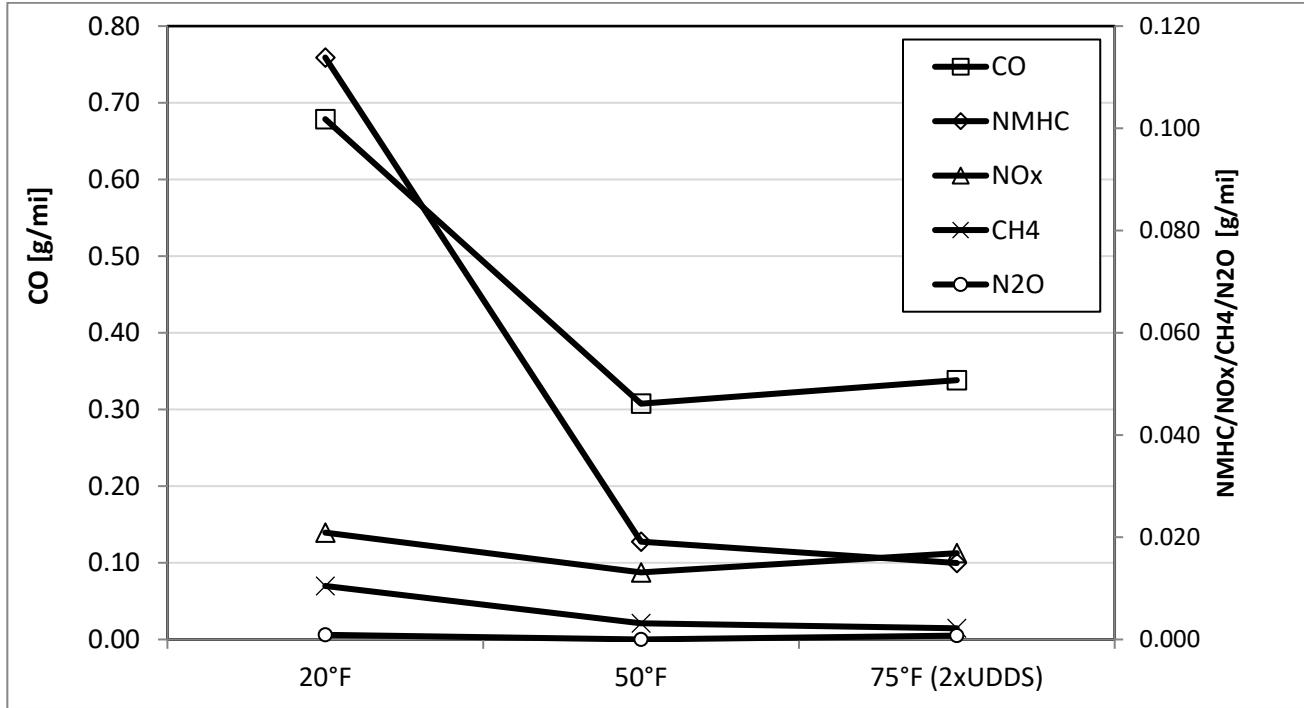
F_{HCHO} (Indolene):

F_{HCHO} (Phase II):

Compliance covered by statement according to regulations (see Section 8)

17.5 Continuity of Emissions

Q8 quattro




17.6 Applicable Deterioration Factors

Mileage	NMHC (g/mi)	NMOG (g/mi)	NO _x (g/mi)	CO (g/mi)	PM (g/mi)	NMOG+NO _x (g/mi)
50k	-	-	-	0.1	-	-
150k	0.0053*	0.0072	0.0035	0.31	0.0010	0.0107

*120k Miles

21 Vehicle Emission Control Information Label

Q8 quattro

 AUDI AG VEHICLE EMISSION CONTROL INFORMATION		
Conforms to regulations: 2027 MY		
U.S. EPA: BIN 70 LDT4	OBD: CA II	Fuel: Gasoline
California: ULEV70 LDT	OBD: CA II	Fuel: Gasoline
No adjustments needed.	DFI/TC/CAC/TWC/WR-HO2S/HO2S	
Group: VVGAT03.0N7N Evap: VVGAR0182NCM	4M0.010.504.AH	

21.2 Engine Control Module (ECM) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
Q8 quattro	DCBD	4M8.907.559.T 0004	4M8559T0004BVAB	FC DA 75 05	

21.3 Transmission Control Module (TCM) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
Q8 quattro	AL552-8Q	4M8.927.158.CB 0001	4M8158CB00012000	23 6D BD EE	

21.4 Automatic Transmission Fluid Pump

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
Q8 quattro	AL552-8Q	0D7.321.281.E 0703	0D7281E+0703IEP0	ED FF 23 4E	

21.5 Brake System Control Module BSCM Information

Model	SW-Part number	Cal ID	CVN	Comments
Q8 quattro	4M6.907.379.BB 0915	4M6379BB0915808n	8F 1C 7A 0F	
	4M6.907.379.BB 0915	4M6379BB0915808o	8F 1D 71 1E	
	4M6.907.379.BB 0915	4M6379BB0915808p	8F 02 A9 F1	
	4M6.907.379.BA 0915	4M6379BA0915808n	7A 0B 19 0D	
	4M6.907.379.BA 0915	4M6379BA0915808o	7A 0A 12 1C	
	4M6.907.379.BA 0915	4M6379BA0915808p	7A 15 CA F3	

21.6 Gateway (ECM2) Information

Model	SW-Part number	Cal ID	CVN	Comments
Q8 quattro	8W0.907.468.AA	GW8W0468AA0062--	9A 83 5E 5C	
	80C.907.468.AA	GW80C468AA0062--	FE 12 E3 7C	
	4KE.907.468.AA	GW4KE468AA0062--	2B 05 0B 0D	
	4KL.907.468.AA	GW4KL468AA0062--	D7 10 20 9C	
	4KR.907.468.AA	GW4KR468AA0062--	EE 77 91 9C	

21.7 Voltage Converter Information

Model	SW-Part number	Cal ID	CVN	Comments
Q8 quattro	4K0.959.663.B 0501	4K0663B+05012001	53 34 E2 4B	

21.8 Start Generator Control Module Information (SGCM)

Model	SW-Part number	Cal ID	CVN	Comments
Q8 quattro	4M0.903.028 0608	4M0028++06080000	99 A9 93 09	
	4M0 903 028 0610	4M0028++06100000	0A F2 3F 2D	

21.9 Battery Energy Control Module 2 (BECM2) Information

Model	SW-Part number	Cal ID	CVN	Comments
Q8 quattro	4N0.915.105.J 0115	4N0105J+01150000	C3 57 59 18	