

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

CARB USE ONLY

Invoice Name	MSF251034
Invoice Date	Apr 02, 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_Q5, A5	Model Year 2027	VGAJ02.0A2H	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
2	Audi_Q3	Model Year 2027	VVGAT02.0A3C	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
3	Audi_Q7, Q9	Model Year 2027	VVGAT02.9A5E	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
4	Audi_SQ5, S5, A6	Model Year 2027	VVGAJ03.0N7S	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
5	Audi_SQ7, SQ9	Model Year 2027	VVGAT04.0N5D	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
6	Audi_A3	Model Year 2027	VVGAV02.0A3N	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00
7	Audi_S3	Model Year 2027	VVGAV02.0A7N	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00
8	Audi_RS3	Model Year 2027	VVGAV02.5NAG	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00

Total Due	\$ 327,010.00
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I, [Tony D'Amico](#)
[Tony D'Amico \(Apr 2, 2026 13:36:59 EDT\)](#)
(Responsible Party Signature Here)

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

Kim, Seong Hun

From: noreply@salesforce.com on behalf of California Air <mscertfees@arb.ca.gov>
Sent: Monday, April 13, 2026 11:34 AM
To: Kim, Seong Hun
Subject: [From: External] MS Fee Payment Confirmation for Invoice MSF251034
Attachments: MSF251034 - 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 MSF251034. 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 – 25RA0371
2. Date of Payment – 4/10/2026
3. Payment Status - Paid



VOLKSWAGEN

GROUP OF AMERICA

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

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

May 19, 2026 Date

Subject: 2027 Model Year Partial Carryover Application Request

Dear Ms. Lang,

VOLKSWAGEN GROUP OF AMERICA, INC.
3800 HAMLIN ROAD
AUBURN HILLS, MI 48326

VWGoA is requesting the Air Resources Board approve the following Partial Carryover Application for VVGAV02.0A7N / VVGAR0139ACB based on Partial Carryover data from TVGAV02.0A7N / TVGAR0139ACB and Executive Order numbers A-413-0381. By signing this letter, VWGoA is certifying that this model year's application package:

1. Includes no change of the emission standards/FELs, regulation requirements, emission characteristics of the engine, or test procedures requirements.
2. The 2027 application package differs from the 2026 application package only by: (please check applicable changes)

- ☒ Model year
- ☒ Test Group/Engine/Vehicle/Evaporative family name (typically the first character)
- ☐ Manufacturer contact information
- ☒ Projected sales data
- ☒ Model information (may only add models if the certification emission levels are not changed)
- ☒ Part numbers (durable to full useful life and no impact on certification emission levels)
- ☐ Equipment types (i.e. crane, dozer, generator, etc.)

3. All other information in the 2027 application package is identical to the 2026 application package (incorporates all approved running changes to date).

4. The application package is complete and named correctly using the appropriate Document Management System (DMS) file and workflow naming conventions and submitted using the correct workflow process.

If you have any questions regarding this request, please contact Greg Allen at (248) 754-4209 or by email at Gregory.Allen@vw.com.

Sincerely,

D'Ambrosi Anthony
VWPKI
5406C07D40F4331C
Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.05.21 13:58:20 -04'00'

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

Enclosure(s)

Running Change / Field Fix Log

Model Year: 2026

Test Group: TVGAV02.0A7N

Models: Audi S3

Evaporative Families: TVGAR0139ACB

RC / FF Number	Description of Change / Reason	Date
RC_T_111_25	Improved gateway control module software has been developed and will be available for production.	9/29/2025
RC_T_116_25	Improved BSCM software has been developed and will be available for production.	10/23/2025
RC_T_122_25	Improved gateway control module software has been developed and will be available for production.	11/21/2025
RC_T_128_25	The Valve Lift System actuator with a new part number will be available for production.	12/8/2025
RC_T2.0AxN_2.5NAG_051_26	Improved ACM software has been developed and will be available for production and service.	5/8/2026

Prefix:

RC = Running Change

RF = Running Change / Field Fix

FF = Field Fix



Audi AG, a member of the Volkswagen Group

Application for Emissions Certification

2027 Model Year

Durability Group: VVGAGPGNNA7N

Evap. Family: VVGAR0139ACB

Test Group: VVGAV02.0A7N

Certificate Number: VVGAV02.0A7N-XXX

Durability Group Description: Four Stroke, Otto Cycle, Gasoline Fueled, Direct Fuel Injection, Catalyst Code: JM835

Test Group Description: 2.0 Liter turbocharged I4 – LDV DFI/TC/CAC/TWC/WR-HO2S/HO2S

Applicable Exhaust Standards: 50 State Federal: Tier 4-interim Bin 70
California: LEV IV ULEV70

Applicable Evaporative Standards: 50 State Federal: Tier 3 FEL: 275 mg
California: LEV IV FEL: 275 mg

Carlines Covered: S3

Vehicles Tested:

VID	Config.	Test Type / #	Test Type / #
TA7N-S3-185	0	FTP / TVGA10090489	HFET / TVGA10090485
		US06 / TVGA10090486	SC03 / TVGA10090487
		Cold CO / TVGA10090490	50°F FTP / TVGA10090488
		FTP / TVGA10090491	HFET / TVGA10090492
NA3B-A3-531	0	2-Day / NVGA10070350	ORVR / NVGA10070353
		3-Day / NVGA10070352	Running Loss / NVGA10070351
VW38003-0082	0	BETP / PVGA10074777	-

Issue Date: 6/29/2026

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	VVGAGPGNNA7N
Source of Durability Data	NA7N-S3-406
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]	2.0

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]		2.09
Total Precious Metal Loading [g]		7.37
Precious Metal Load Rate PM [g] / CV [l]		3.53
Cat. Grouping Statistic	3.7	3.7
Durability Group Limit (25% or 0.2 g/l)	2.8	2.8
Test Group Covered		VVGAV02.0A7N

3. Evaporative / Refueling Family Description

		C/O - BETP	
Evaporative / Refueling Family Name		VW38003-0082	VVGAR0139ACB
Vapor storage device	Canister	Yes	Yes
	Other	-	-
Basic canister design	Working Capacity (g)	139	139
	Bed Volume (cm ³)	2230	2230
	Number, config.	1	1
	Geometry	Cylinder	Other
	Construction	2-chamber	2-chamber
	Bleeding trap	Yes	Yes
	Bleed trap Working Capacity (g)	4	4
	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	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	-	-
	Plastic	Yes	Yes
	Other	-	-
Test groups combined with this Evap. family			VVGAV02.0A3N VVGAV02.0A7N

4. Durability Procedure Description

Please refer to the Common Section

5.0 Test Group Description

Evap. Family:	VVGAR0139ACB
Test Group Name:	VVGAV02.0A7N
Certificate Number:	VVGAV02.0A7N-xxx
Engine displacements covered:	2.0-liter
Arrangement and number of cylinders:	Inline 4
Vehicle class(es) covered:	LDV
Federal Emissions Standards Class:	Tier 4-interim BIN 70
California Emissions Standards Class:	LEV IV ULEV 70

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: VVGAV02.0A7N-xxx
Models: S3
Test Group: VVGAV02.0A7N
Evaporative/Refueling Family: VVGAR0139ACB

VID	Config.	Vehicle Type	Tests Performed
TA7N-S3-185	0	EDV (E10)	FTP, HWY, US06, SC03, Cold CO, 50deg FTP
	0	EDV (E0)	FTP, HWY, US06, SC03, Cold CO
	1	FEDV	FTP, HWY, US06, SC03, Cold CO
	2	FEDV	FTP, HWY, US06, SC03, Cold CO
NA3B-A3-531	0	Evap	3Day Evap, 2Day Evap, Running Loss, ORVR
VW38003-0082	0	Evap	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	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
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 03:03:10 PM
Model Year	2027		

Test Group Information

CSI Type	Update for Correction	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	No	EPA Vehicle Class	LDV
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	VVGAGPGNNA7N	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	10/12/2026	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	RVGAT02.0V7A
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	1
OBD Deficiencies Comments	1 deficiency for SAE J1979-2 implementation for test groups VVGAV02.0V3A, VVGAV02.0V7B, and VVGAV02.0A7N		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	05/28/2026 12:35:13 PM				
Integrated ORVR?	Yes	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	HDPE				
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)	139	Number of Primary Canisters	1				
Number of Bleed Canisters	2	Bleed Canister Total Working Capacity (grams)	4				
Mfr Evaporative/Refueling Family Comments	--						
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				
VVGAR0139ACB-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	64 - S3	Federal	All Wheel Drive	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	No
Volkswagen Group of America, Inc.	2 - Audi	64 - S3	California + CAA Section 177 states	All Wheel Drive	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	No
Engine Description							
Hybrid Type	--	Hybrid Description	--				
Engine Type	4-Stroke Spark Ignition	Mfr Engine Description	--				
Engine Block Arrangement	Inline	Mfr Engine Block Arrangement Description	--				
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	0W30 VW50400 / VW50700				
Number of Cylinders/Rotors	4	Mechanically Variable Compression Ratio Indicator	N				

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB								
After Treatment Device(s) (ATD)											
ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction							
1	Three-way catalyst	Palladium + Rhodium	Ceramic	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)	2.0	Engine Rated Horsepower	328								
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	CONTINUOUSLY VARIABLE VALVE TIMING										
Variable Valve Lift?	Yes										
Variable Valve Lift System Description	AUDI VALVE LIFT SYSTEM										
Number of Knock Sensors	1	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 DSFD var: 0										
Official Test Numbers											
Test Group	Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Gasoline	TVGA10090489	TVGA10090486	TVGA10090487	TVGA10090490	TVGA10090485	21.2	228.2	38.2	286.1	--	

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
SFTP LEV-III Official Test Numbers			
Test Group Fuel	FTP	US06	SC03
Gasoline	TVGA10090489	TVGA10090486	TVGA10090487

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB									
Emission Data Vehicle Information												
Vehicle ID / Configuration	NA3B-A3-531 / 0	Manufacturer Vehicle Configuration Number	0									
Original Test Group Name	NVGAV02.0A3B	Original Evaporative/Refueling Family	NVGAR0139ACB									
Original Test Vehicle Model Year	2022											
Vehicle Model												
Represented Test Vehicle Make	Audi	Represented Test Vehicle Model	A3 quattro									
Leak Family Details												
Leak Family Identifier	001	Leak Family Name	NVGAR0139ACB-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	0.9977									
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor											
Odometer Correction Units	Kilometers											
Engine Code	DNVB	Rated Horsepower	201									
Displacement (liters)	1.984											
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)	3527	Equivalent Test Weight (pounds)	4000									
GVWR (lbs)	4475	N/V Ratio	26.6									
Axle Ratio	3.12											
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7									
Transmission Lockup	No	Creep Gear	No									

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
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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	55.62	0.3654	0.01927	20.86	0.2048	0.01828	16.3
Cold CO	61.18	0.402	0.0212	0	0	0	N/A
US06	55.62	0.3654	0.01927	20.86	0.2048	0.01828	N/A

Emission Control Device Comments DFI/TC/CAC/AIR/TWC/WR-HO2S/HO2S

Manufacturer Test Vehicle Comments A3 quattro EVAP tests applies to A3 (Test Group - NVGAV02.0A3B) and for S3 (Test Group - NVGAV02.0A7N)

Test #	NVGA10070350	Test Procedure	23 - 2-day evap
Exhaust Test # for this Evap Test	NVGA10070345	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/16/2021	Fuel	Gasoline
Fuel Batch ID	IG0007	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	4998	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)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.173	--

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	0.1730	0.0094	0.182	0.275	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.1730	0.0094	0.182	0.275	Pass

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Test #	NVGA10070352	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	NVGA10070348	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2021	Fuel	Gasoline
Fuel Batch ID	IG0007	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	5055	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)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.239	--

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	0.2390	0	0.239	0.275	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2390	0	0.239	0.275	Pass

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Test #	NVGA10070351	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	NVGA10070348	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2021	Fuel	Gasoline
Fuel Batch ID	IG0007	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	5028	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)
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	0.001	0.00	0.05	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.000	0.001	0.00	0.05	Pass

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB						
Test #	NVGA10070353	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	NVGA10070349	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	04/29/2021	Fuel	Gasoline						
Fuel Batch ID	IG0007	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	5113	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									
<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>0.01</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)	0.01	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC (Hydrocarbon for Running Loss and ORVR)	0.01	--							
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	0.010	0	0.01	0.20	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC	0.010	0	0.01	0.20	Pass	

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB						
Emission Data Vehicle Information									
Vehicle ID / Configuration	TA7N-S3-185 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TVGAV02.0A7N	Original Evaporative/Refueling Family	TVGAR0139ACB						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Audi	Represented Test Vehicle Model	S3						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </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	No	Rechargeable Energy Storage System Indicator	No						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	No								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.0266						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	DSFD	Rated Horsepower	328						
Displacement (liters)	2								
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)	3649	Equivalent Test Weight (pounds)	4000						
GVWR (lbs)	4508	N/V Ratio	28.8						
Axle Ratio	3.3								
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VVGAV02.0A7N			Evaporative/Refueling Family		VVGAR0139ACB	
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	42.49	0.314	0.01674	2.2	0.1975	0.01561	13.3	
Cold CO	46.74	0.3454	0.01841	-6.39	0.0423	0.01785	N/A	
US06	42.49	0.314	0.01674	2.2	0.1975	0.01561	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		EDV E10 & E0						

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Test #	TVGA10090488	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	03/07/2025	Fuel	Gasoline
Fuel Batch ID	IG0045	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3361	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)	423.806902	--
FE BAG 1 (Bag 1 Fuel Economy)	20.4846327	20.4846327
CO2 BAG 2 (Bag 2 Carbon Dioxide)	446.416254	--
FE BAG 2 (Bag 2 Fuel Economy)	19.514168	19.514168
CO2 BAG 3 (Bag 3 Carbon Dioxide)	374.5661255	--
FE BAG 3 (Bag 3 Fuel Economy)	23.2480564	23.2480564
METHANE (CH4 - Methane)	0.0037056	--
CO (Carbon Monoxide)	0.1717468	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.7248769	--
DT-EER (Drive Trace Energy Economy Rating)	-0.0546405	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.9857918	--
MFR FE (Manufacturer Fuel Economy)	20.6	20.6
NOX (Nitrogen Oxide)	0.0219385	--
N2O (Nitrous Oxide)	0.0003631	--
HC-NM (Non-methane Hydrocarbon)	0.0258995	--
NMOG (Non-methane organic gases)	0.0285	--
PM (Particulate Matter)	0.000955	--
HC-TOTAL (Total Hydrocarbon)	0.0294602	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	422	--

Certification Summary Information Report

Test Group		VVGAV02.0A7N				Evaporative/Refueling Family				VVGAR0139ACB			
		Test Result Name		Unrounded Test Result				Verify Calculated CO2					
		Carbon dioxide		422.0337268				--					
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: 50FTP Tested as S3 EDV ETW: 4000 RLHP: 13.3											
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	0.17	--	--	--	--	--	0.2	1.7	Pass	
CA	4,000 miles	California LEV-IV ULEV70	NMOG	0.0285	--	1.0991	--	--	--	0.028	99.999	Pass	
CA	4,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0504	--	--	--	--	--	0.050	0.140	Pass	
CA	4,000 miles	California LEV-IV ULEV70	NOX	0.0219	--	--	--	--	--	0.022	99.999	Pass	

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Test #	TVGA10090489	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	03/11/2025	Fuel	Gasoline
Fuel Batch ID	IG0045	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3379	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)	388.941269	--
FE BAG 1 (Bag 1 Fuel Economy)	22.3222378	22.3222378
CO2 BAG 2 (Bag 2 Carbon Dioxide)	425.4621123	--
FE BAG 2 (Bag 2 Fuel Economy)	20.4744512	20.4744512
CO2 BAG 3 (Bag 3 Carbon Dioxide)	356.1719674	--
FE BAG 3 (Bag 3 Fuel Economy)	24.4469008	24.4469008
METHANE (CH4 - Methane)	0.0025346	--
CO (Carbon Monoxide)	0.1774714	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.4643852	--
DT-EER (Drive Trace Energy Economy Rating)	-0.4539675	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.7791243	--
MFR FE (Manufacturer Fuel Economy)	21.8	21.8
NOX (Nitrogen Oxide)	0.0194391	--
N2O (Nitrous Oxide)	0.0004887	--
HC-NM (Non-methane Hydrocarbon)	0.0188275	--
NMOG (Non-methane organic gases)	0.0207	--
PM (Particulate Matter)	0.0004101	--
HC-TOTAL (Total Hydrocarbon)	0.0212768	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	399	999

Certification Summary Information Report

Test Group		VVGAV02.0A7N			Evaporative/Refueling Family				VVGAR0139ACB			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		398.8215146			--					
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: FTP Tested as S3 EDV ETW: 4000 RLHP: 13.3										
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	999	--	--	--	0	--	999	--	--
Fed	120,000 miles	Federal Tier 3 Bin 70	METHANE	0.0025	--	--	--	0.0003	--	0.003	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 70	N2O	0.0005	--	--	--	0	--	0.000	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.18	--	--	--	0	--	0.2	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO-COMP	0.19	--	--	--	--	--	0.2	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0207	--	1.0991	--	0.0001	--	0.021	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0401	--	--	--	--	--	0.049	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX-COMP	0.0359	--	--	--	--	--	0.036	0.090	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0194	--	--	--	0.009	--	0.028	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0004	--	--	--	0	--	0.000	0.003	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.18	--	--	--	0	--	0.2	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0207	--	1.0991	--	0.0001	--	0.021	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0401	--	--	--	--	--	0.049	0.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0194	--	--	--	0.009	--	0.028	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	PM	0.0004	--	--	--	0.000	--	0.000	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	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Test #	TVGA10090490	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	04/03/2025	Fuel	Gasoline
Fuel Batch ID	IG0045	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3605	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)	473.3714786	--
FE BAG 1 (Bag 1 Fuel Economy)	18.2778428	18.2778428
CO2 BAG 2 (Bag 2 Carbon Dioxide)	472.1985886	--
FE BAG 2 (Bag 2 Fuel Economy)	18.4486404	18.4486404
CO2 BAG 3 (Bag 3 Carbon Dioxide)	389.5473479	--
FE BAG 3 (Bag 3 Fuel Economy)	22.3501722	22.3501722
METHANE (CH4 - Methane)	0.0059671	--
CO (Carbon Monoxide)	0.353242	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.524608	--
DT-EER (Drive Trace Energy Economy Rating)	-0.1154483	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.6999714	--
MFR FE (Manufacturer Fuel Economy)	19.3	19.3
NOX (Nitrogen Oxide)	0.0310121	--
N2O (Nitrous Oxide)	0.0004609	--
HC-NM (Non-methane Hydrocarbon)	0.0585512	--
NMOG (Non-methane organic gases)	0.0644	--
HC-TOTAL (Total Hydrocarbon)	0.0643117	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	451	--

Certification Summary Information Report

Test Group		VVGAV02.0A7N				Evaporative/Refueling Family				VVGAR0139ACB		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		449.7556428			--					
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: COLDCO Tested as S3 EDV ETW: 4000 RLHP: 13.3										
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	0.35	--	--	--	0	--	0.4	10.0	Pass
Fed	120,000 miles	Federal Tier 3 Bin 70	HC-NM	0.06	--	--	--	0.0001	--	0.1	0.3	Pass
CA	50,000 miles	California LEV-IV ULEV70	CO	0.35	--	--	--	0	--	0.4	10.0	Pass

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Test #	TVGA10090485	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	02/18/2025	Fuel	Gasoline
Fuel Batch ID	IG0045	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3095	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)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0.1260443	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.3359556	--
DT-EER (Drive Trace Energy Economy Rating)	-0.1319458	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.4071921	--
MFR FE (Manufacturer Fuel Economy)	35.1	35.1
NOX (Nitrogen Oxide)	0.0026775	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0007314	--
NMOG (Non-methane organic gases)	0.0008	--
HC-TOTAL (Total Hydrocarbon)	0.0006768	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	248	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	247.9646658	--

Manufacturer Test Comments

Lab Comments: kein Kommentar!; VeCeD: HWY Tested as S3 EDV ETW: 4000 RLHP: 13.3

Certification Summary Information Report

Test Group		VVGAV02.0A7N				Evaporative/Refueling Family				VVGAR0139ACB		
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	999	--	--	--	0	--	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0008	--	1.03	--	0.0001	--	0.001	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0035	--	--	--	--	--	0.013	0.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0027	--	--	--	0.009	--	0.012	99.000	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0008	--	1.03	--	0.0001	--	0.001	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0035	--	--	--	--	--	0.013	0.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0027	--	--	--	0.009	--	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	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Test #	TVGA10090486	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	02/18/2025	Fuel	Gasoline
Fuel Batch ID	IG0045	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3115	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)	534.0191244	--
FE BAG 1 (Bag 1 Fuel Economy)	16.3061676	16.3061676
CO2 BAG 2 (Bag 2 Carbon Dioxide)	282.0594231	--
FE BAG 2 (Bag 2 Fuel Economy)	30.8715093	30.8715093
METHANE (CH4 - Methane)	0.0003396	--
CO (Carbon Monoxide)	0.0964123	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.178841	--
DT-EER (Drive Trace Energy Economy Rating)	-1.36798	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.370331	--
MFR FE (Manufacturer Fuel Economy)	25.8	25.8
NOX (Nitrogen Oxide)	0.0130869	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0021345	--
NMOG (Non-methane organic gases)	0.0022	--
PM (Particulate Matter)	0.0006194	--
HC-TOTAL (Total Hydrocarbon)	0.0024609	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	338	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	337.9026943	--

Certification Summary Information Report

Test Group		VVGAV02.0A7N			Evaporative/Refueling Family					VVGAR0139ACB		
Manufacturer Test Comments		Lab Comments: Aus dem Inneraumgebläse links vom Lenkrad stömt sehr warme luft aus, obwohl die Klimaanlage ausgeschalten ist; VeCeD: US06 Tested as S3 EDV ETW: 4000 RLHP: 13.3										
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	0.10	--	--	--	0	--	0.1	99.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0022	--	1.03	--	0.0001	--	0.002	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0131	--	--	--	0.009	--	0.022	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0006	--	--	--	0	--	0.001	0.006	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.10	--	--	--	0	--	0.1	9.6	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0022	--	1.03	--	0.0001	--	0.002	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0153	--	--	--	--	--	0.024	0.084	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0131	--	--	--	0.009	--	0.022	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	PM	0.0006	--	--	--	0.000	--	0.001	0.006	Pass

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Test #	TVGA10090487	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	02/18/2025	Fuel	Gasoline
Fuel Batch ID	IG0045	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3130	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)
METHANE (CH4 - Methane)	0.0018775	--
CO (Carbon Monoxide)	0.2804398	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.7465512	--
DT-EER (Drive Trace Energy Economy Rating)	-0.2730421	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.6363391	--
MFR FE (Manufacturer Fuel Economy)	18.2	18.2
NOX (Nitrogen Oxide)	0.022047	--
N2O (Nitrous Oxide)	0.000172	--
HC-NM (Non-methane Hydrocarbon)	0.0007463	--
NMOG (Non-methane organic gases)	0.0008	--
PM (Particulate Matter)	0.0003067	--
HC-TOTAL (Total Hydrocarbon)	0.0025514	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	479	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	478.8520995	--

Manufacturer Test Comments

Lab Comments: kein Kommentar!; VeCeD: SC03 Tested as S3 EDV ETW: 4000 RLHP: 13.3

Certification Summary Information Report

Test Group		VVGAV02.0A7N				Evaporative/Refueling Family				VVGAR0139ACB		
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	0.28	--	--	--	0	--	0.3	99.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0008	--	1.03	--	0.0001	--	0.001	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0220	--	--	--	0.009	--	0.031	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.28	--	--	--	0	--	0.3	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0008	--	1.03	--	0.0001	--	0.001	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0228	--	--	--	--	--	0.032	0.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0220	--	--	--	0.0090	--	0.031	99.999	Pass

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB						
Emission Data Vehicle Information									
Vehicle ID / Configuration	VW38003-0082 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	PVGAV02.0V7B	Original Evaporative/Refueling Family	PVGAR0139VCA						
Original Test Vehicle Model Year	2023								
Vehicle Model									
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	GTI						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	PVGAR0139VCA-001						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </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	0.994						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	DRNA	Rated Horsepower	241						
Displacement (liters)	1.984								
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, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3316	Equivalent Test Weight (pounds)	3750						
GVWR (lbs)	4343	N/V Ratio	26.7						
Axle Ratio	3.12								
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
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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	44.74	0.1809	0.02183	22.32	0.178	0.02072	14.4
Cold CO	49.21	0.199	0.02402	0	0	0	N/A
US06	44.74	0.1809	0.02183	22.32	0.178	0.02072	N/A

Emission Control Device Comments	DFI/AIR/TC/CAC/WR-HO2S/HO2S/TWC
Manufacturer Test Vehicle Comments	EVAP

Test #	PVGA10074777	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	02/18/2022	Fuel	N/A
Fuel Batch ID	WB0014	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	4310	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 (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.012	--

Manufacturer Test Comments	BETP
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Certification Summary Information Report

Test Group	VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Fuel Properties			
Fuel Batch ID	IG0045	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	07/05/2024
Fuel Batch Calibration Effective Date	09/19/2024	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.754
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17960
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.829	Weight Fraction CO2	--
Fuel Batch ID	IG0007	Fuel Calibration Number	2
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	12/16/2020
Fuel Batch Calibration Effective Date	04/06/2021	Fuel Batch Calibration Ineffective Date	02/15/2022
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 (%)	10.1	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17608
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.83	Weight Fraction CO2	--
Fuel Batch ID	IG0007	Fuel Calibration Number	3
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	12/16/2020
Fuel Batch Calibration Effective Date	04/23/2021	Fuel Batch Calibration Ineffective Date	04/06/2022
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 (%)	10.1	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17608
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.83	Weight Fraction CO2	--
Fuel Batch ID	WB0014	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	12/13/2021

Certification Summary Information Report

Test Group		VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
Fuel Batch Calibration Effective Date		01/14/2022	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	0.747
Fuel Ethanol Volume Percent (%)		9.4	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18203
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		VVGAV02.0A7N			Evaporative/Refueling Family		VVGAR0139ACB		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code		Both		
Vehicle Class		LDV/Passenger Car			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	999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0001	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.009	99.000
Cert Region		California + CAA Section 177 states			Cert/In-Use Code		Both		
Vehicle Class		LDV/Passenger Car			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	1.7
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0001	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.0090	99.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code		Both		
Vehicle Class		LDV/Passenger Car			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	1.7
150,000 miles	NMOG	--	--	1.0991	--	--	--	0.0001	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.009	99.999
150,000 miles	PM	--	--	--	--	--	--	0.000	0.003

Certification Summary Information Report

Test Group		VVGAV02.0A7N			Evaporative/Refueling Family			VVGAR0139ACB	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	99.9
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0001	99.999
150,000 miles	NOX	--	--	--	--	--	--	0.009	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.006

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	9.6
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0001	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.084
150,000 miles	NOX	--	--	--	--	--	--	0.009	99.999
150,000 miles	PM	--	--	--	--	--	--	0.000	0.006

Certification Summary Information Report

Test Group		VVGAV02.0A7N			Evaporative/Refueling Family			VVGAR0139ACB	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0003	0.030
120,000 miles	N2O	--	--	--	--	--	--	0	0.010
150,000 miles	CO	--	--	--	--	--	--	0	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.0991	--	--	--	0.0001	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.090
150,000 miles	NOX	--	--	--	--	--	--	0.009	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.003
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	10.0
120,000 miles	HC-NM	--	--	--	--	--	--	0.0001	0.3
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	99.9
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0001	99.999
150,000 miles	NOX	--	--	--	--	--	--	0.009	99.999

Certification Summary Information Report

Test Group		VVGAV02.0A7N			Evaporative/Refueling Family			VVGAR0139ACB	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	NMOG	--	--	1.0991	--	--	--	--	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		LDV/Passenger Car			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	--	--	1.03	--	--	--	0.0001	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.009	99.999

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	10.0

Evaporative/Refueling Standards

Evaporative/Refueling Family		VVGAR0139ACB		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	

Certification Summary Information Report

Test Group		VVGAV02.0A7N		Evaporative/Refueling Family		VVGAR0139ACB	
Evaporative/Refueling Family		VVGAR0139ACB		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-IV 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	--	0.275	0		
Evaporative/Refueling Family		VVGAR0139ACB		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-IV 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		
Evaporative/Refueling Family		VVGAR0139ACB		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-IV 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	--	0.275	0.0094		
Evaporative/Refueling Family		VVGAR0139ACB		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	0.001		
Evaporative/Refueling Family		VVGAR0139ACB		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	--	0.275	0.0094		

Certification Summary Information Report

Test Group		VVGAV02.0A7N		Evaporative/Refueling Family		VVGAR0139ACB	
Evaporative/Refueling Family		VVGAR0139ACB		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		VVGAR0139ACB		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-IV Zero Evap (Option 2)	
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		VVGAR0139ACB		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-IV 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	0.001		
Evaporative/Refueling Family		VVGAR0139ACB		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	--	0.275	0		

Certification Summary Information Report

Test Group		VVGAV02.0A7N	Evaporative/Refueling Family	VVGAR0139ACB
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		VVGAV02.0A7N	Evaporative/Refueling Family		VVGAR0139ACB
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		VVGAV02.0A7N	Evaporative/Refueling Family		VVGAR0139ACB
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		VVGAV02.0A7N	Evaporative/Refueling Family		VVGAR0139ACB
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 with 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 of 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	VVGAGPGNNA7N
Test Group	VVGAV02.0A7N
Evap Family	VVGAR0139ACB
Emission Control System:	DFI/TC/CAC/TWC/WR-HO2S/HO2S

Engine Displacement:	2.0 liter
Valves per Cylinder:	4
Sales Area:	50 states
MMS:	Simos 19
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	Com - pres sion ratio	Idle [rpm]											
DSFD	S3	LDV	JM835	9.3 ± 0.15	760±100	328 @5850-6500	295 lb-ft @2000-5850	7	3875	3605	4508	14.5	139	225/40 R18 235/35 R19	29.3 28.8	Y

*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
DQ381-7A	AWD	7	n.a	n.a.	1: 4.471 Gears: 1, 4, 5, R 2: 3.304 Gears: 2, 3, 6, 7	3.190	2.750	1.897	1.040	0.793	0.860	0.661

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]					
S3	4000	42.49	0.3140	0.01674	189.02	0.8680	0.02875	13.3	18.8	5.8 / 14.5	20	Sport	automatic	Tier 3 [EDV]	NA7N-S3-406
S3	3875	41.38	0.3140	0.01650	184.07	0.8680	0.02834	13.1	18.5	5.8 / 14.5	20	Drive	automatic	Tier 2	
S3 CAN	3875	41.38	0.3140	0.01674	184.07	0.8680	0.02875	13.2	18.4	5.8 / 14.5	20	Drive	automatic	Tier 2	

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.

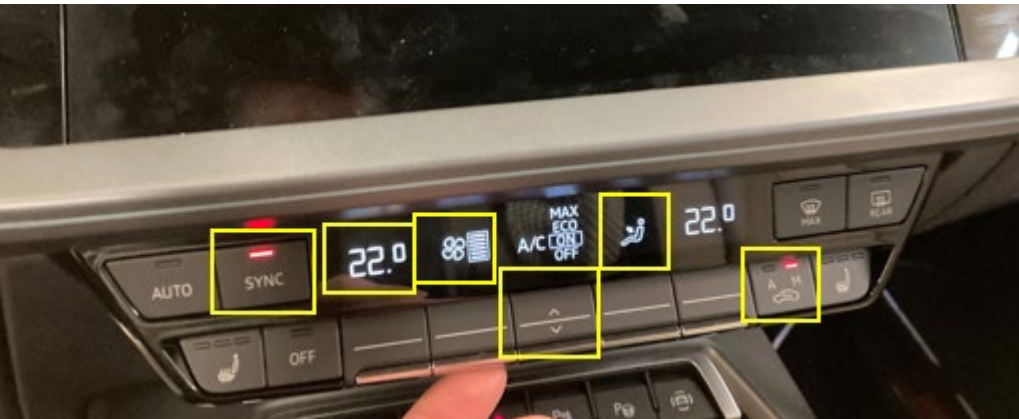
ESP/ABS Deactivation procedure
Dyno Mode must be activated.
Refer to Section 16 for Dyno Mode activation procedure.

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.

- Climate Control Settings used for testing:**
- SC03: Climate Control Setting description
 - Set the climate control as follows:
 - A/C on
 - SYNC on
 - Temperature to 22°C / 72°F
 - Fan Speed to Maximum
 - (only available when engine is turned on)
 - Air recirculation to Manual
 - Direct air vents to driver only



12.3 e-Motor Details

Not applicable

12.4 Battery details

Not applicable

12.4 Charging details

Not Applicable

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. 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. 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: VVGAV02.0A7N
Models: Audi S3
Evaporative Family: VVGAR0139ACB

[illegible]

15.3 ORVR Safety Statement

Volkswagen is using standard technology in all MY2026 vehicles ORVR systems. In accordance with EPA Guidance letter CISC-06-06, ORVR application will not be submitted.

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 21, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAV02.0A7N with Evaporative Family
VVGAR0139ACB.

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>
VVGAV02.0A7N	Tier 4 Interim Bin 70 LEV IV 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
5406C07D40F4331C
5406C07D40F4331C

Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.05.21 13:57:05 -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: 05/20/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

VGA

Manufacturer Name *

Volkswagen Group of America

Contact Name *

Gregory 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 *

VVGAV02.0A7N

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 VVGAV02.0A7N
Pay.gov Tracking ID: 282FM7NI
Agency Tracking ID: 77393028821

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.

The content of this document may contain Sensitive But Unclassified (SBU) data and/or Controlled Unclassified Information (CUI).

March 6, 2026

Reference No. E-26-049

Mr. Rob Sutschek, Vice President
Engineering and Environmental Office
Volkswagen Group of America, Incorporated
3800 Hamlin Road
Auburn Hills, Michigan 48326

Confidential

Subject: Volkswagen's (VW) On-Board Diagnostics II (OBD II) System Description for the
2027 Model Year (MY) Test Groups VVGAV02.0V3A, VVGAV02.0V7B,
VVGAT02.0A3C, and VVGAV02.0A7N

Dear Mr. Sutschek,

The California Air Resources Board's (CARB) On-Board Diagnostics Branch has received the OBD II system description submitted by VW for the 2027 MY test groups listed above. Representations made in the application indicate that the system is compliant with the OBD II regulation¹ except for SAE International (SAE) J1979-2 implementation for all test groups listed above and diagnostic or emission critical electronic control unit (DEC ECU) requirements for steering column control module (SCCM) for test group VVGAT02.0A3C only. Therefore, CARB approves the 2027 MY system design with 1 deficiency for SAE J1979-2 implementation for test groups VVGAV02.0V3A, VVGAV02.0V7B, and VVGAV02.0A7N, and 2 deficiencies for SAE J1979-2 implementation and DEC ECU requirements for SCCM for test group VVGAT02.0A3C. Details of the deficiencies were provided in prior approval letters (Reference Nos. E-25-252 and E-26-032).

¹ Unless otherwise noted, all regulation references are to title 13, California Code of Regulations, section 1968.2.

Mr. Rob Sutschek, Vice President
March 6, 2026
Page 2
Confidential

Should you have questions or comments regarding this letter, please contact Mahfuz Rahman, Air Resources Engineer, at (951) 542-3355, or via email at mahfuz.rahman@arb.ca.gov.

Sincerely,



Michael Regenfuss, Chief, On-Board Diagnostics Branch, Emissions Certification and Compliance Division

cc: Mahfuz Rahman, Air Resources Engineer, Emissions Certification and Compliance Division

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 21, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAV02.0A7N with Evaporative Family
VVGAR0139ACB.

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>
VVGAV02.0A7N	Tier 4 Interim Bin 70 LEV IV 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
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5406C07D40F4331C

Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.05.21 13:57:05 -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

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+NO_x 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

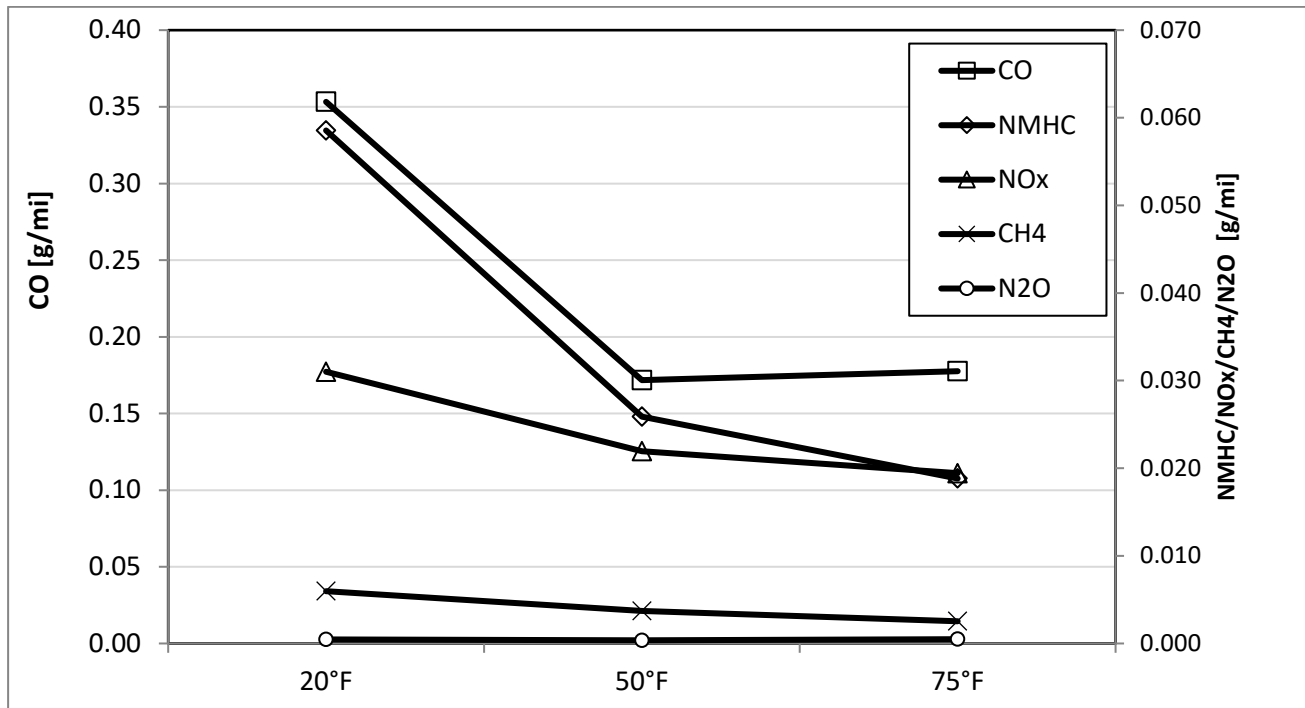
F_{NMOG}: Calculated per EPA 40CFR part 1066

F_{HCHO} (Indolene):

F_{HCHO} (Phase II):

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

17.5 Continuity of Emissions



17.6 Applicable Deterioration Factors

	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	0.0002	0.0000	0.0000	0.0030	0.0000	0.0000	0.0000	0.0030
150k	0.0004*	0.0001*	0.0001	0.0090	0.0000	0.0000	0.0000	0.0091

*120k

21. Vehicle Emission Control Information Label

AUDI AG		
VEHICLE EMISSION CONTROL INFORMATION		
CONFORMS TO REGULATIONS: 2027 MY		
U.S. EPA:	BIN70 LDV OBD: CA II FUEL: GASOLINE	
CALIFORNIA:	ULEV70 PC OBD: CA II FUEL: GASOLINE	
NO ADJUSTMENTS NEEDED. DFI/TC/CAC/TWC/WR-HO2S/HO2S		
GROUP:	VVGAV02.0A7N	22x22 Dots
EVAP:	VVGAR0139ACB	
		8Y0 010 504 T

21.2 Engine Control Module (ECM) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
S3	DSFD	5WA.906.259.AA 0001	5WA259AA0001BVAK	1E A3 99 95	P3P-44661

21.2.1 Gateway Control Module (ECM2) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
S3	DSFD	5QS.907.530.H 2105	5QS530H+21050143	0E D0 A8 3C	P3P-43909

21.3 Transmission Control Module (TCM) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
S3	DQ381-7A	0GC.906.557.QE 0860	0GC906557QE+0860	99 4C A5 10	MY26+PT3

21.4 Brake Booster Control Module (EBBC) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
S3	DQ381-7A	5WA.909.059.AD 0572	5WA059AD057251Ai	D3 2E 1B 06	P3P-44309

21.5 Brake System Control Module (BSCM) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
S3	DQ381-7A	5WA.614.517.EE 0639	5WA517EE06399110	09ed9907	P3P-43676
			5WA517EE06399190	3d65602b	
			5WA517EE06399P10	fec9f2ed	
			5WA517EE06399P90	ca410bc1	
			5WA517EE0639A110	9a67cd85	
			5WA517EE0639A190	aeef34a9	
			5WA517EE0639AP10	6d43a66f	
			5WA517EE0639AP90	59cb5f43	
			5WA517EE06395110	225bc4c1	
			5WA517EE06395190	16d33ded	
			5WA517EE06395P10	d57faf2b	
			5WA517EE06395P90	e1f75607	
			5WA517EE06396110	e6ad1168	
			5WA517EE06396190	d225e844	
			5WA517EE06396P10	11897a82	
			5WA517EE06396P90	250183ae	

21.5 Airbag System Control Module (ACM) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
S3	DQ381-7A	5QS.959.655.AC 0331	5QS655AC03313000	C2 DE 19 6B	P3P-43187