

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

CARB USE ONLY

Invoice Name	MSF251034-1
Invoice Date	Jul 06, 2026

COMPANY INFORMATION

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

APPLICATION INFORMATION

Row Number	Previous Unique Application Identifier	Previously Selected Category Type	Previously Selected Fee Type	Paid Amount	Corrected Unique Application Identifier	Corrected Category Type	Corrected Fee Type	Corrected Amount	Amount Due
1	VGAJ02.0A2H	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAJ02.0A2H	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00	-\$ 25,154.00
2	VVGAT02.0A3C	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAT02.0A3C	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
3	VVGAT02.9A5E	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAT02.9A5E	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
4	VVGAJ03.0N7S	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAJ03.0N7S	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
5	VVGAT04.0N5D	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	VVGAT04.0N5D	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00	\$ 0.00
6	VVGAV02.0A3N	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00	VVGAV02.0A3N	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00	\$ 0.00
		Light-duty vehicle test group and				Light-duty vehicle test group and			

7	VVGAV02.0A7N	medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00	VVGAV02.0A7N	medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00	\$ 0.00
8	VVGAV02.5NAG	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00	VVGAV02.5NAG	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00	\$ 0.00
Total Invoice (MSF251034) Paid				\$ 327,010.00	Total Corrected				\$ 301,856.00
					Total Due				-\$ 25,154.00

Notes

Changed fee type for VVGAJ02.0A2H from Base to Partial Carry-over.

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

(Responsible Party Signature Here)

Kim, Seong Hun

From: noreply@salesforce.com on behalf of California Air <mscertfees@arb.ca.gov>
Sent: Monday, July 6, 2026 7:46 AM
To: Kim, Seong Hun
Cc: MSCertFees@arb.ca.gov
Subject: [From: External] Adjusted MS Fee Invoice MSF251034-1
Attachments: MSF251034-1 - signed.pdf

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

Dear Seong Hun Kim,

Attached is your Final invoice addressing your request for a refund for invoice MSF251034. Your refund is in process will take approximately 5 to 7 weeks for processing. The payment will be issued to the manufacturer listed in your CARB Customer account.

If you have additional questions regarding the fee invoicing and payment process, please contact your assigned CARB certification staff.



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

July 13, 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 VVGAV02.5NAG / VVGAR0139NCB based on Partial Carryover data from TVGAV02.5NAG / TVGAR0139NCB and Executive Order numbers A-413-0382. 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

Anthony D'Ambrosi

Volkswagen Group of America, Inc.

Engineering and Environmental Office

Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.07.13 11:39:00 -04'00'

Enclosure(s)

Running Change / Field Fix Log

Model Year: 2026
Test Group: TVGAV02.5NAG
Models: Audi RS3
Evaporative Families: TVGAR0139NCB
Transmission: DQ500-7A

RC / FF Number	Description of Change / Reason	Date
RC_TV2.5NAG_01_26	The charge over valve with new part number will be available for production.	2/12/2026
RC_T2.0AxN_2.5NAG_051_26	Improved ACM software has been developed and will be available for production and service.	5/28/2026
RC_T2.0AxN_2.5NAG_111_25	Improved gateway control module software has been developed and will be available for production	9/29/2025
RC_T2.0AxN_2.5NAG_122_25	Improved gateway control module software has been developed and will be available for production	11/21/2025

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: VVGAGPGNNAG

Evap. Family: VVGAR0139NCB

Test Group: VVGAV02.5NAG

Certificate Number:

VVGAV02.5NAG-xxx

Durability Group Description:

Four Stroke, Otto Cycle, Gasoline
Fueled, Direct Fuel Injection, Catalyst
Code: 3xTEX-1347

Test Group Description:

2.5l Turbocharged I5, LDV -
DFI+SFI/TC/CAC/TWC/2TWC/
WR-HO2S/HO2S

Applicable Exhaust Standards: 50 State

Federal: Tier 4-interim Bin 125
California: LEV IV ULEV125

Applicable Evaporative Standards: 50 State

Federal: Tier 4-interim FEL: 450 mg
California: LEV IV FEL: 450 mg

Carlines Covered:

RS 3

Vehicles Tested:

VID	Config.	Test Type / #	Test Type / #
TAAG-RS3-011	0	FTP75 / TVGA10090515	HFET / TVGA10090516
		US06 / TVGA10090518	SC03 / TVGA10090517
		Cold FTP / TVGA10090514	50°F FTP / TVGA10090513
		FTP / TVGA10090520	HFET / TVGA10090521
NNAG-RS3	1	ORVR / NVGA10073280	Running Loss / NVGA10073279
		2-Day / NVGA10073277	3-Day / NVGA10073278
VW38003-0082	1	BETP / PVGA10074777	

Issue Date: 7/27/2026

Questions, Contact:

EEO Office, Auburn Hills, Michigan

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Section 14	Request for Certificate
Section 15	Other Information
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Section 17	California ARB Information

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	VVGAGPGNNNAG
Source of Durability Data	NNAG-DDV
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]	2.5

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]		3.48
Total Precious Metal Loading [g]		11.15
Precious Metal Load Rate PM [g] / CV [l]		3.20
Cat. Grouping Statistic	4.5	4.5
Durability Group Limit (25% or 0.2 g/l)	3.4	-
Test Group Covered		VVGAV02.5NAG

3. Evaporative / Refueling Family Description

Evaporative / Refueling Family Name		VVGAR0139NCB
Vapor storage device	Canister	Yes
	Other	-
Basic canister design	Working Capacity (g)	139
	Bed Volume (cm ³)	2230
	Number, config.	1
	Geometry	Cylinder
	Construction	2-chamber
	Bleeding trap	Yes
	Bleed trap Working Capacity (g)	4
	Material	Plastic
Fuel System		DFI
Type of refueling system	Integrated	Yes
	Non-integrated	-
	Other	-
Fill pipe seal mechanism	Liquid seal	Yes
	Mechanical Seal	-
	Other	-
Method of controlling vapor flow to the engine	Vacuum	Yes
	Purge valve	Yes
	Other	-
Purge control system	Valve type	Duty-Cycle
	Control	ECM
Vapor hose material	4 / multi-layer hose	Yes
	Stainless Steel	-
	Alloy	-
Fuel tank material	Metal	-
	Plastic	Yes
	Other	-
Test groups combined with this Evap. family		VVGAV02.5NAG

4. **Durability Procedure Description**

Please refer to the Common Section

5.0 Test Group Description

Evap. Family:	VVGAR0139NCB
Test Group Name:	VVGAV02.5NAG
Certificate Number:	VVGAV02.5NAG-xxx
Engine displacements covered:	2.5 liters
Arrangement and number of cylinders:	Inline 5
Vehicle class(es) covered:	LDV
Federal Emissions Standards Class:	Tier 4-interim Bin 125
California Emissions Standards Class:	LEV IV ULEV125

5.1 Test Group Emission Standards

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

Setting the timer om

6. Test Vehicle Description

Certificate Number: VVGAV02.5NAG-xxx
Models: RS 3
Test Group: VVGAV02.5NAG
Evaporative/Refueling Family: VVGAR0139NCB

VID	Config.	Vehicle Type	Tests Performed
TAAG-RS3-011	0	EDV E10	FTP75, HFET, US06, SC03, Cold FTP, 50°F FTP
		EDV E0	FTP75, HFET, US06, SC03, Cold FTP
	1	FEDV	FTP75, HFET, US06, SC03, Cold FTP
NNAG-RS3	1	EVAP	2-Day EVAP, 3-Day EVAP, R/L, ORVR
VW38003-0082	1	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	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	08/06/2026 03:33:32 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	No
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	No
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	VVGAGPGNNAG	Durability Group Equivalency Factor	2.2
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VVGAV02.5NAG
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	1
OBD Deficiencies Comments	--		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	07/27/2026 12:36:24 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	RS 3 - LEVIV Evap FEL 450 BETP Bleeding Canister equipped Vapor Hose Materials Multi-Layer-Hose						
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				
VVGAR0139NCB-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	15 - RS 3	Federal	All Wheel Drive	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	Yes
Volkswagen Group of America, Inc.	2 - Audi	15 - RS 3	California + CAA Section 177 states	All Wheel Drive	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	Yes
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	5	Mechanically Variable Compression Ratio Indicator	N				

Certification Summary Information Report

Test Group		VVGAV02.5NAG		Evaporative/Refueling Family		VVGAR0139NCB					
After Treatment Device(s) (ATD)											
ATD Number		ATD Type		ATD Precious Metal		Substrate Material		Substrate Construction			
1		Three-way catalyst		Palladium + Rhodium		Ceramic		Monolith			
2		Three-way catalyst		Palladium + Rhodium		Metal		Monolith			
3		Three-way catalyst		Palladium + Rhodium		Metal		Monolith			
Mfr After Treatment Device (ATD) Comments		EMITEC; two underfloor mounted secondary catalysts									
Direct Ozone Reduction (DOR) Device		Not Equipped									
Mfr Emission Control Device Comments		--									
Engine Configuration Number 1											
Engine Displacement (liters)		2.5		Engine Rated Horsepower		394					
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		3					
Air/Fuel Sensor # 1 Type		Heated oxygen		Air/Fuel Sensor # 1 Description		--					
Air/Fuel Sensor # 2 Type		Heated oxygen		Air/Fuel Sensor # 2 Description		--					
Air/Fuel Sensor # 3 Type		Other		Air/Fuel Sensor # 3 Description		Fuel High Pressure Sensor					
Mfr Air/Fuel Sensor Comments		--									
Exhaust Gas Recirculation		No		Cooled Exhaust Gas Recirculation		No					
EGR Type		Variable Valve Timing Control		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 DXHB 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	TVGA10090515	TVGA10090518	TVGA10090517	TVGA10090514	TVGA10090516	TVGA10090516	13.6	228.2	26.1	286.1	--

Certification Summary Information Report

Test Group		VVGAV02.5NAG		Evaporative/Refueling Family		VVGAR0139NCB	
SFTP LEV-III Official Test Numbers							
Test Group Fuel		FTP		US06		SC03	
Gasoline		TVGA10090515		TVGA10090518		TVGA10090517	

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB						
Emission Data Vehicle Information									
Vehicle ID / Configuration	NNAG-RS3 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	NVGAV02.5NAG	Original Evaporative/Refueling Family	NVGAR0139NCB						
Original Test Vehicle Model Year	2022								
Vehicle Model									
Represented Test Vehicle Make	Audi	Represented Test Vehicle Model	RS3						
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	--	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	0.9923						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	DXHA	Rated Horsepower	401						
Displacement (liters)	2.48								
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)	3671	Equivalent Test Weight (pounds)	4000						
GVWR (lbs)	4608	N/V Ratio	28.9						
Axle Ratio	3.45								
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	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
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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	44.96	0.3914	0.01801	11.13	0.0932	0.01803	14.6
Cold CO	49.45	0.4305	0.01981	1.58	-0.1435	0.0218	N/A
US06	44.96	0.3914	0.01801	11.13	0.0932	0.01803	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments MY22 RS3 tested as as RS3 for EDV - ETW 4000

Test #	NVGA10073277	Test Procedure	23 - 2-day evap
Exhaust Test # for this Evap Test	NVGA10073262	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	10/29/2021	Fuel	Gasoline
Fuel Batch ID	IG0014	Fuel Calibration Number	1
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	3357	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.34	--

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	0.3400	0.000	0.340	0.450	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.3400	0.0000	0.340	0.450	Pass

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB																											
Test #	NVGA10073278	Test Procedure	34 - Federal fuel 3-day evap																											
Exhaust Test # for this Evap Test	NVGA10073264	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)																											
Test Date	11/12/2021	Fuel	Gasoline																											
Fuel Batch ID	IG0014	Fuel Calibration Number	1																											
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	3476	Odometer Units	M																											
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																											
State of Charge Delta	No																													
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																											
Test Results																														
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.367</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.367	--																					
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																												
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.367	--																												
Manufacturer Test Comments --																														
<table border="1"> <tr> <th>Certification Region</th> <th>Useful Life</th> <th>Standard Level</th> <th>Emission Name</th> <th>Rounded Result</th> <th>Add DF</th> <th>Certification Level</th> <th>Standard</th> <th>Pass/Fail</th> </tr> <tr> <td>Fed</td> <td>150,000 miles</td> <td>Federal Tier 3 Evap</td> <td>HC-TOTAL-EQUIV</td> <td>0.3670</td> <td>0.010</td> <td>0.377</td> <td>0.450</td> <td>Pass</td> </tr> <tr> <td>CA</td> <td>150,000 miles</td> <td>California LEV-IV Zero Evap (Option 2)</td> <td>HC-TOTAL-EQUIV</td> <td>0.3670</td> <td>0.0101</td> <td>0.377</td> <td>0.450</td> <td>Pass</td> </tr> </table>				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	0.3670	0.010	0.377	0.450	Pass	CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.3670	0.0101	0.377	0.450	Pass
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	0.3670	0.010	0.377	0.450	Pass																						
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.3670	0.0101	0.377	0.450	Pass																						

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	NVGA10073279	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	NVGA10073264	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	11/12/2021	Fuel	Gasoline
Fuel Batch ID	IG0014	Fuel Calibration Number	1
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	3459	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.002	--

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	0.002	0.003	0.00	0.05	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.002	0.003	0.00	0.05	Pass

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB						
Test #	NVGA10073280	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	NVGA10073265	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	11/17/2021	Fuel	Gasoline						
Fuel Batch ID	IG0014	Fuel Calibration Number	1						
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	3512	Odometer Units	M						
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--						
State of Charge Delta	No								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.01</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.01	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.01	--							
Manufacturer Test Comments									
ORVR Test for MY22 RS3									
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	0.010	0.006	0.02	0.20	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.010	0.006	0.02	0.20	Pass	

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB					
Emission Data Vehicle Information								
Vehicle ID / Configuration	TAAG-RS3-011 / 0	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	TVGAV02.5NAG	Original Evaporative/Refueling Family	TVGAR0139NCB					
Original Test Vehicle Model Year	2026							
Vehicle Model								
Represented Test Vehicle Make	Audi	Represented Test Vehicle Model	RS3					
Leak Family Details								
Leak Family Identifier	--	Leak Family Name	--					
Drive Sources and Fuel System Details								
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline	
Drive Source and Fuel#	Drive Source	Fuel						
1	Combustion Engine	Gasoline						
Hybrid Indicator	No							
Multiple Fuel Storage	--	Multiple Fuel Combustion	--					
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--					
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--					
Off-board charge Capable Indicator	--							
Odometer Correction -- Initial	0	Odometer Correction Factor	0.9918					
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor							
Odometer Correction Units	Miles							
Engine Code	DXHB	Rated Horsepower	394					
Displacement (liters)	2.48							
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)	3726	Equivalent Test Weight (pounds)	4000					
GVWR (lbs)	4586	N/V Ratio	29.2					
Axle Ratio	3.45							
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		VVGAV02.5NAG			Evaporative/Refueling Family		VVGAR0139NCB	
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	44.85	0.3898	0.01801	8.62	0.2669	0.01693	14.6	
Cold CO	49.34	0.4287	0.01981	-2.62	0.2102	0.0182	N/A	
US06	44.85	0.3898	0.01801	8.62	0.2669	0.01693	N/A	
Emission Control Device Comments		DFI+SFI/TC/CAC/TWC/2TWC/WR-HO2S/HO2S						
Manufacturer Test Vehicle Comments		E10 and E0 fuel						

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	TVGA10090513	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	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	3098	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)	647.5784604	--
FE BAG 1 (Bag 1 Fuel Economy)	13.4248011	13.4248011
CO2 BAG 2 (Bag 2 Carbon Dioxide)	707.9832562	--
FE BAG 2 (Bag 2 Fuel Economy)	12.3031787	12.3031787
CO2 BAG 3 (Bag 3 Carbon Dioxide)	573.6284599	--
FE BAG 3 (Bag 3 Fuel Economy)	15.1698078	15.1698078
METHANE (CH4 - Methane)	0.0028818	--
CO (Carbon Monoxide)	0.3000442	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.473743	--
DT-EER (Drive Trace Energy Economy Rating)	1.921542	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.10054	--
MFR FE (Manufacturer Fuel Economy)	13.2	13.2
NOX (Nitrogen Oxide)	0.0352866	--
N2O (Nitrous Oxide)	0.0006595	--
HC-NM (Non-methane Hydrocarbon)	0.0118278	--
NMOG (Non-methane organic gases)	0.013	--
PM (Particulate Matter)	0.002181	--
HC-TOTAL (Total Hydrocarbon)	0.0146329	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	660	--

Certification Summary Information Report

Test Group		VVGAV02.5NAG			Evaporative/Refueling Family				VVGAR0139NCB			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		658.5514506			--					
Manufacturer Test Comments		Lab Comments: Es wurden 4 PM-Filter gewogen aber richtigerweise nur 3 Filter bei der Berechnung berücksichtigt. DFM; VeCeD: 50FTP Tested as RS3 EDV ETW: 4000 RLHP: 14.6										
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 ULEV125	CO	0.30	--	--	--	--	--	0.3	2.1	Pass
CA	4,000 miles	California LEV-IV ULEV125	NMOG	0.0130	--	1.0991	--	--	--	0.013	99.999	Pass
CA	4,000 miles	California LEV-IV ULEV125	NMOG+NOX	0.0483	--	--	--	--	--	0.048	0.250	Pass
CA	4,000 miles	California LEV-IV ULEV125	NOX	0.0353	--	--	--	--	--	0.035	99.999	Pass

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	TVGA10090514	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	02/21/2025	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	3145	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)	708.3796376	--
FE BAG 1 (Bag 1 Fuel Economy)	12.2476109	12.2476109
CO2 BAG 2 (Bag 2 Carbon Dioxide)	733.956459	--
FE BAG 2 (Bag 2 Fuel Economy)	11.8679712	11.8679712
CO2 BAG 3 (Bag 3 Carbon Dioxide)	601.6455295	--
FE BAG 3 (Bag 3 Fuel Economy)	14.4603	14.4603
METHANE (CH4 - Methane)	0.0055547	--
CO (Carbon Monoxide)	0.4897309	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.9588987	--
DT-EER (Drive Trace Energy Economy Rating)	0.2710918	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.099732	--
MFR FE (Manufacturer Fuel Economy)	12.6	12.6
NOX (Nitrogen Oxide)	0.048533	--
N2O (Nitrous Oxide)	0.0008265	--
HC-NM (Non-methane Hydrocarbon)	0.0317159	--
NMOG (Non-methane organic gases)	0.0349	--
HC-TOTAL (Total Hydrocarbon)	0.0370886	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	693	--

Certification Summary Information Report

Test Group		VVGAV02.5NAG				Evaporative/Refueling Family				VVGAR0139NCB		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		692.285232			--					
Manufacturer Test Comments				Lab Comments: Teilweise starkes Ruckeln beim Abbremsen auf 0 km/h.; VeCeD: COLDCO Tested as RS3 EDV ETW: 4000 RLHP: 14.6								
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 125	CO	0.49	--	--	--	0.1800	--	0.7	10.0	Pass
Fed	120,000 miles	Federal Tier 3 Bin 125	HC-NM	0.03	--	--	--	0.0042	--	0.0	0.3	Pass
CA	50,000 miles	California LEV-IV ULEV125	CO	0.49	--	--	--	0.1800	--	0.7	10.0	Pass

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	TVGA10090515	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	02/26/2025	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	3164	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)	620.8112072	--
FE BAG 1 (Bag 1 Fuel Economy)	13.9934713	13.9934713
CO2 BAG 2 (Bag 2 Carbon Dioxide)	693.261782	--
FE BAG 2 (Bag 2 Fuel Economy)	12.5643468	12.5643468
CO2 BAG 3 (Bag 3 Carbon Dioxide)	578.9185345	--
FE BAG 3 (Bag 3 Fuel Economy)	15.026016	15.026016
METHANE (CH4 - Methane)	0.0037411	--
CO (Carbon Monoxide)	0.3845782	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.605486	--
DT-EER (Drive Trace Energy Economy Rating)	1.249254	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.292295	--
MFR FE (Manufacturer Fuel Economy)	13.5	13.5
NOX (Nitrogen Oxide)	0.0309226	--
N2O (Nitrous Oxide)	0.00058	--
HC-NM (Non-methane Hydrocarbon)	0.0133066	--
NMOG (Non-methane organic gases)	0.0146	--
PM (Particulate Matter)	0.0015976	--
HC-TOTAL (Total Hydrocarbon)	0.0169034	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	648	999

Certification Summary Information Report

Test Group		VVGAV02.5NAG			Evaporative/Refueling Family				VVGAR0139NCB																			
<table><tr><td colspan="2">Test Result Name</td><td colspan="3">Unrounded Test Result</td><td colspan="3">Verify Calculated CO2</td></tr><tr><td colspan="2">Carbon dioxide</td><td colspan="3">646.8391278</td><td colspan="3">--</td></tr></table>													Test Result Name		Unrounded Test Result			Verify Calculated CO2			Carbon dioxide		646.8391278			--		
Test Result Name		Unrounded Test Result			Verify Calculated CO2																							
Carbon dioxide		646.8391278			--																							
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: FTP Tested as RS3 EDV ETW: 4000 RLHP: 14.6																										
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 125	CREE	999	--	--	--	0.7009	--	1000	--	--																
Fed	120,000 miles	Federal Tier 3 Bin 125	METHANE	0.0037	--	--	--	0.0038	--	0.008	0.030	Pass																
Fed	120,000 miles	Federal Tier 3 Bin 125	N2O	0.0006	--	--	--	0.0004	--	0.001	0.010	Pass																
Fed	150,000 miles	Federal Tier 3 Bin 125	CO	0.38	--	--	--	0.5400	--	0.9	2.1	Pass																
Fed	150,000 miles	Federal Tier 3 Bin 125	CO-COMP	1.25	--	--	--	--	--	1.2	4.2	Pass																
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG	0.0146	--	1.0991	--	0.0058	--	0.020	99.999	Pass																
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG+NOX	0.0455	--	--	--	--	--	0.064	0.125	Pass																
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG+NOX-COMP	0.0509	--	--	--	--	--	0.051	0.110	Pass																
Fed	150,000 miles	Federal Tier 3 Bin 125	NOX	0.0309	--	--	--	0.0127	--	0.044	99.999	Pass																
Fed	150,000 miles	Federal Tier 3 Bin 125	PM	0.0016	--	--	--	0.0002	--	0.002	0.003	Pass																
CA	150,000 miles	California LEV-IV ULEV125	CO	0.38	--	--	--	0.5400	--	0.9	2.1	Pass																
CA	150,000 miles	California LEV-IV ULEV125	NMOG	0.0146	--	1.0991	--	0.0058	--	0.020	99.999	Pass																
CA	150,000 miles	California LEV-IV ULEV125	NMOG+NOX	0.0455	--	--	--	--	--	0.064	0.125	Pass																
CA	150,000 miles	California LEV-IV ULEV125	NOX	0.0309	--	--	--	0.0127	--	0.044	99.999	Pass																
CA	150,000 miles	California LEV-IV ULEV125	PM	0.0016	--	--	--	0.0002	--	0.002	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	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	TVGA10090520	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/05/2025	Fuel	Gasoline
Fuel Batch ID	IG0050	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	3244	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)	629.33204	--
FE BAG 1 (Bag 1 Fuel Economy)	14.0921141	14.0921141
CO2 BAG 2 (Bag 2 Carbon Dioxide)	695.5206572	--
FE BAG 2 (Bag 2 Fuel Economy)	12.7896102	12.7896102
CO2 BAG 3 (Bag 3 Carbon Dioxide)	580.0117619	--
FE BAG 3 (Bag 3 Fuel Economy)	15.3086826	15.3086826
METHANE (CH4 - Methane)	0.0063385	--
CO (Carbon Monoxide)	0.5550742	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.424639	--
DT-EER (Drive Trace Energy Economy Rating)	1.187651	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.904744	--
MFR FE (Manufacturer Fuel Economy)	13.7	13.7
NOX (Nitrogen Oxide)	0.0283782	--
N2O (Nitrous Oxide)	0.0008932	--
HC-NM (Non-methane Hydrocarbon)	0.0142689	--
NMOG (Non-methane organic gases)	0.0147	--
PM (Particulate Matter)	0.0014661	--
HC-TOTAL (Total Hydrocarbon)	0.0203597	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	651	651

Certification Summary Information Report

Test Group		VVGAV02.5NAG			Evaporative/Refueling Family				VVGAR0139NCB			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		650.066989			--					
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: FTP Tested as RS3 EDV ETW: 4000 RLHP: 14.6										
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 125	CREE	651	--	--	--	0.7009	--	652	--	--
Fed	120,000 miles	Federal Tier 3 Bin 125	METHANE	0.0063	--	--	--	0.0038	--	0.010	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 125	N2O	0.0009	--	--	--	0.0004	--	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	CO	0.56	--	--	--	0.5400	--	1.1	2.1	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG	0.0147	--	1.0991	--	0.0058	--	0.020	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG+NOX	0.0431	--	--	--	--	--	0.062	0.125	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NOX	0.0284	--	--	--	0.0127	--	0.041	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	PM	0.0015	--	--	--	0.0002	--	0.002	0.003	Pass
CA	150,000 miles	California LEV-IV ULEV125	CO	0.56	--	--	--	0.5400	--	1.1	2.1	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG	0.0147	--	1.0991	--	0.0058	--	0.020	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG+NOX	0.0431	--	--	--	--	--	0.062	0.125	Pass
CA	150,000 miles	California LEV-IV ULEV125	NOX	0.0284	--	--	--	0.0127	--	0.041	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	PM	0.0015	--	--	--	0.0002	--	0.002	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	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	TVGA10090516	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	02/26/2025	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	3175	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)	0.000383	--
CO (Carbon Monoxide)	0.1632073	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	6.46652	--
DT-EER (Drive Trace Energy Economy Rating)	0.6883929	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	8.720615	--
MFR FE (Manufacturer Fuel Economy)	20.1	20.1
NOX (Nitrogen Oxide)	0.0037181	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0063644	--
NMOG (Non-methane organic gases)	0.0066	--
HC-TOTAL (Total Hydrocarbon)	0.0067327	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	434	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	434.120544	--

Manufacturer Test Comments

Lab Comments: kein Kommentar!; VeCeD: HWY Tested as RS3 EDV ETW: 4000 RLHP: 14.6

Certification Summary Information Report

Test Group		VVGAV02.5NAG			Evaporative/Refueling Family					VVGAR0139NCB		
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 125	CREE	999	--	--	--	0.7009	--	1000	--	--
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG	0.0066	--	1.0300	--	0.0058	--	0.012	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG+NOX	0.0103	--	--	--	--	--	0.029	0.125	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NOX	0.0037	--	--	--	0.0127	--	0.016	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG	0.0066	--	1.0300	--	0.0058	--	0.012	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG+NOX	0.0103	--	--	--	--	--	0.029	0.125	Pass
CA	150,000 miles	California LEV-IV ULEV125	NOX	0.0037	--	--	--	0.0127	--	0.016	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	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	TVGA10090521	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/05/2025	Fuel	Gasoline
Fuel Batch ID	IG0050	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	3255	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)	0.0004076	--
CO (Carbon Monoxide)	0.1901958	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.999921	--
DT-EER (Drive Trace Energy Economy Rating)	0.4104842	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.504859	--
MFR FE (Manufacturer Fuel Economy)	20.4	20.4
NOX (Nitrogen Oxide)	0.0037303	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0042709	--
NMOG (Non-methane organic gases)	0.0044	--
HC-TOTAL (Total Hydrocarbon)	0.0046625	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	436	436

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	435.9434479	--

Manufacturer Test Comments

Lab Comments: kein Kommentar!; VeCeD: HWY Tested as RS3 EDV ETW: 4000 RLHP: 14.6

Certification Summary Information Report

Test Group		VVGAV02.5NAG			Evaporative/Refueling Family					VVGAR0139NCB		
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 125	CREE	436	--	--	--	0.7009	--	437	--	--
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG	0.0044	--	1.0300	--	0.0058	--	0.010	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG+NOX	0.0081	--	--	--	--	--	0.027	0.125	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NOX	0.0037	--	--	--	0.0127	--	0.016	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG	0.0044	--	1.0300	--	0.0058	--	0.010	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG+NOX	0.0081	--	--	--	--	--	0.027	0.125	Pass
CA	150,000 miles	California LEV-IV ULEV125	NOX	0.0037	--	--	--	0.0127	--	0.016	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	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	TVGA10090518	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	03/24/2025	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	3468	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)	698.0906186	--
FE BAG 1 (Bag 1 Fuel Economy)	12.4199513	12.4199513
CO2 BAG 2 (Bag 2 Carbon Dioxide)	415.4434631	--
FE BAG 2 (Bag 2 Fuel Economy)	20.899213	20.899213
METHANE (CH4 - Methane)	0.0012033	--
CO (Carbon Monoxide)	1.1564154	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.566293	--
DT-EER (Drive Trace Energy Economy Rating)	0.1748797	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.725028	--
MFR FE (Manufacturer Fuel Economy)	18.2	18.2
NOX (Nitrogen Oxide)	0.0225191	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.003298	--
NMOG (Non-methane organic gases)	0.0034	--
PM (Particulate Matter)	0.0022588	--
HC-TOTAL (Total Hydrocarbon)	0.004461	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	480	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	477.7432615	--

Certification Summary Information Report

Test Group		VVGAV02.5NAG				Evaporative/Refueling Family				VVGAR0139NCB		
Manufacturer Test Comments		Lab Comments: kein Kommentar!; VeCeD: US06 Tested as RS3 EDV ETW: 4000 RLHP: 14.6										
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 125	CO	1.16	--	--	--	0.5400	--	1.7	99.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG	0.0034	--	1.0300	--	0.0058	--	0.009	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NOX	0.0225	--	--	--	0.0127	--	0.035	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	PM	0.0023	--	--	--	0.0002	--	0.002	0.006	Pass
CA	150,000 miles	California LEV-IV ULEV125	CO	1.16	--	--	--	0.5400	--	1.7	9.6	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG	0.0034	--	1.0300	--	0.0058	--	0.009	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG+NOX	0.0259	--	--	--	--	--	0.044	0.150	Pass
CA	150,000 miles	California LEV-IV ULEV125	NOX	0.0225	--	--	--	0.0127	--	0.035	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	PM	0.0023	--	--	--	0.0002	--	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
Test #	TVGA10090517	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	02/26/2025	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	3211	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)	0.0021329	--
CO (Carbon Monoxide)	0.690335	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.637978	--
DT-EER (Drive Trace Energy Economy Rating)	0.730934	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.186969	--
MFR FE (Manufacturer Fuel Economy)	12.1	12.1
NOX (Nitrogen Oxide)	0.0202911	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0045147	--
NMOG (Non-methane organic gases)	0.0047	--
PM (Particulate Matter)	0.0026601	--
HC-TOTAL (Total Hydrocarbon)	0.0065653	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	719	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	718.0345751	--

Manufacturer Test Comments

Lab Comments: kein Kommentar!; VeCeD: SC03 Tested as RS3 EDV ETW: 4000 RLHP: 14.6

Certification Summary Information Report

Test Group		VVGAV02.5NAG				Evaporative/Refueling Family				VVGAR0139NCB		
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 125	CO	0.69	--	--	--	0.5400	--	1.2	99.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NMOG	0.0047	--	1.0300	--	0.0058	--	0.010	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 125	NOX	0.0203	--	--	--	0.0127	--	0.033	99.000	Pass
CA	150,000 miles	California LEV-IV ULEV125	CO	0.69	--	--	--	0.5400	--	1.2	2.1	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG	0.0047	--	1.0300	--	0.0058	--	0.010	99.999	Pass
CA	150,000 miles	California LEV-IV ULEV125	NMOG+NOX	0.0250	--	--	--	--	--	0.044	0.125	Pass
CA	150,000 miles	California LEV-IV ULEV125	NOX	0.0203	--	--	--	0.0127	--	0.033	99.999	Pass

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB						
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	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
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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	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
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	IG0014	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	09/02/2021
Fuel Batch Calibration Effective Date	09/20/2021	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	0.752
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17807
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	IG0050	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	07/16/2024
Fuel Batch Calibration Effective Date	12/12/2024	Fuel Batch Calibration Ineffective Date	01/29/2028
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.741
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18443
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.866	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
Fuel Batch Calibration Effective Date	01/14/2022	Fuel Batch Calibration Ineffective Date	--

Certification Summary Information Report

Test Group	VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
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		VVGAV02.5NAG			Evaporative/Refueling Family			VVGAR0139NCB	
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 125	
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	--	--	--	--	--	--	0.7009	999
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0058	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.125
150,000 miles	NOX	--	--	--	--	--	--	0.0127	99.999
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 125	
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	--	--	--	--	--	--	0.7009	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0038	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0004	0.010
150,000 miles	CO	--	--	--	--	--	--	0.5400	2.1
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.0991	--	--	--	0.0058	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.125
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.110
150,000 miles	NOX	--	--	--	--	--	--	0.0127	99.999
150,000 miles	PM	--	--	--	--	--	--	0.0002	0.003
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV125	
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	--	--	--	--	--	--	0.1800	10.0

Certification Summary Information Report

Test Group		VVGAV02.5NAG			Evaporative/Refueling Family			VVGAR0139NCB		
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV125		
Fuel		Gasoline			Test Procedure			HWFE		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0058	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.125	
150,000 miles	NOX	--	--	--	--	--	--	0.0127	99.999	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV125		
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	--	--	--	--	--	--	0.5400	2.1	
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0058	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.125	
150,000 miles	NOX	--	--	--	--	--	--	0.0127	99.999	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV125		
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	--	--	--	--	--	--	--	2.1	
4,000 miles	NMOG	--	--	1.0991	--	--	--	--	99.999	
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.250	
4,000 miles	NOX	--	--	--	--	--	--	--	99.999	

Certification Summary Information Report

Test Group		VVGAV02.5NAG			Evaporative/Refueling Family			VVGAR0139NCB	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 125	
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	--	--	--	--	--	--	0.1800	10.0
120,000 miles	HC-NM	--	--	--	--	--	--	0.0042	0.3

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV125	
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	--	--	--	--	--	--	0.5400	2.1
150,000 miles	NMOG	--	--	1.0991	--	--	--	0.0058	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.125
150,000 miles	NOX	--	--	--	--	--	--	0.0127	99.999
150,000 miles	PM	--	--	--	--	--	--	0.0002	0.003

Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 125	
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	--	--	--	--	--	--	0.5400	99.9
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0058	99.999
150,000 miles	NOX	--	--	--	--	--	--	0.0127	99.999
150,000 miles	PM	--	--	--	--	--	--	0.0002	0.006

Certification Summary Information Report

Test Group		VVGAV02.5NAG			Evaporative/Refueling Family			VVGAR0139NCB	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 125	
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	--	--	--	--	--	--	0.5400	99.0
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0058	99.000
150,000 miles	NOX	--	--	--	--	--	--	0.0127	99.000

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV125	
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	--	--	--	--	--	--	0.5400	9.6
150,000 miles	NMOG	--	--	1.0300	--	--	--	0.0058	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NOX	--	--	--	--	--	--	0.0127	99.999
150,000 miles	PM	--	--	--	--	--	--	0.0002	0.006

Evaporative/Refueling Standards

Evaporative/Refueling Family		VVGAR0139NCB		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-TOTAL-EQUIV	--	0.20	0.006		

Evaporative/Refueling Family		VVGAR0139NCB		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.450	0.000		

Certification Summary Information Report

Test Group		VVGAV02.5NAG		Evaporative/Refueling Family		VVGAR0139NCB	
Evaporative/Refueling Family		VVGAR0139NCB		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	--	0.450	0.0101		
Evaporative/Refueling Family		VVGAR0139NCB		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	0.003		
Evaporative/Refueling Family		VVGAR0139NCB		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	0.003		
Evaporative/Refueling Family		VVGAR0139NCB		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	--	0.450	0.0000		
Evaporative/Refueling Family		VVGAR0139NCB		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	--		

Certification Summary Information Report

Test Group		VVGAV02.5NAG		Evaporative/Refueling Family		VVGAR0139NCB	
Evaporative/Refueling Family		VVGAR0139NCB		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		VVGAR0139NCB		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	--	0.450	0.010		
Evaporative/Refueling Family		VVGAR0139NCB		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-TOTAL-EQUIV	--	0.20	0.006		

Certification Summary Information Report

Test Group		VVGAV02.5NAG	Evaporative/Refueling Family	VVGAR0139NCB
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		VVGAV02.5NAG	Evaporative/Refueling Family		VVGAR0139NCB
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		VVGAV02.5NAG	Evaporative/Refueling Family		VVGAR0139NCB
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		VVGAV02.5NAG	Evaporative/Refueling Family		VVGAR0139NCB
F	2-Wheel Drive, Front		A	All Wheel Drive	
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter		ICI	Independent Commercial Importer	
CSI	Certificate Summary Information		ORVR	Onboard Refueling Vapor Recovery	
DF	Deterioration Factor		SIL	Shift Indicator Light	
Evap	Evaporation, Evaporative		Trans	Transmission	

8. Emission Testing Waiver Statements

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

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

The normal operation of the emission control system consists of:

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

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

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

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

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

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

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

A/C Calibrations – Compliance Statement

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

Lean Best Torque Compliance Statement

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

Lean-On Cruise Compliance Statement

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

OBD Compliance Statement

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

Leak Free Exhaust System Compliance Statement

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

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

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

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

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

High Altitude Exhaust Emissions Compliance Statement

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

Formaldehyde Emissions Compliance Statement

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

High Altitude Evaporative/Refueling Emissions Compliance Statement

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

Spitback Compliance Statement

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

Evaporative Leak Test Compliance Statement

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

Driver-Selectable modes Compliance Statement

In accordance with EPA Guidance Letter 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	VVGAGPGNNNAG
Test Group	VVGAV02.5NAG
Evap Family	VVGAR0139NCB
Emission Control System:	DFI+SFI/TC/CAC/TWC/2TWC/WR-HO2S/HO2S

Engine Displacement:	2.5 liter
Valves per Cylinder:	4
Sales Area:	50 states
MMS:	MG1
SIL:	N/A

Engine Code	Model	Vehicle Class	Engine Code Characteristics			HP @RPM	Torque @RPM [lb-ft]	Trans. / OD	ETW	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-pression ratio	Idle [rpm]											
DXHB	RS 3	LDV	TEX1347 (PRE). TEX1347 (MAIN)	10.0 ±0.2	750 ±50	394 @5600-7000	369 lb-ft @2250 - 5600	7	4000	3649	4586	14.5	139	Front: 265/30 R19 Rear: 245/35 R19	Front: 29.2 Rear: 28.6	N

*1Nm = 0.737561 lbfxft

12.1 Transmissions

Transmission	Transmission Characteristic												
	Drivetrain	Gear Count	Lock-Up rpm		Gearbox Ratios								
			Gear	min/max	Axle	Gear 1	Gear 2	Gear 3	Gear 4	Gear 5	Gear 6	Gear 7	Gear 8
DQ500-7A	AWD	7	n.a.	n.a.	1: 4.059 (gears 1/4/5/R) 2: 3.450 (gears 2/3/6/7)	3.563	2.526	1.679	1.022	0.788	0.761	0.635	n.a.

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]					
RS 3	4000	44.85	0.3898	0.01801	199.51	1.0773	0.03093	14.6	17.2	5.8 / 14.5	20	Sport (Audi Drive Select mode: RS performance)	automatic	Tier 3 / Tier 2 (EDV)	NNAG-DDV
RS 3 USA	4000	42.06	0.3891	0.01891	187.11	1.0754	0.03248	14.5	17.3	5.8 / 14.5	20	Drive	automatic	Tier 2	
RS 3 CAN	4000	32.86	0.3891	0.01891	146.17	1.0754	0.03248	13.3	18.8	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.

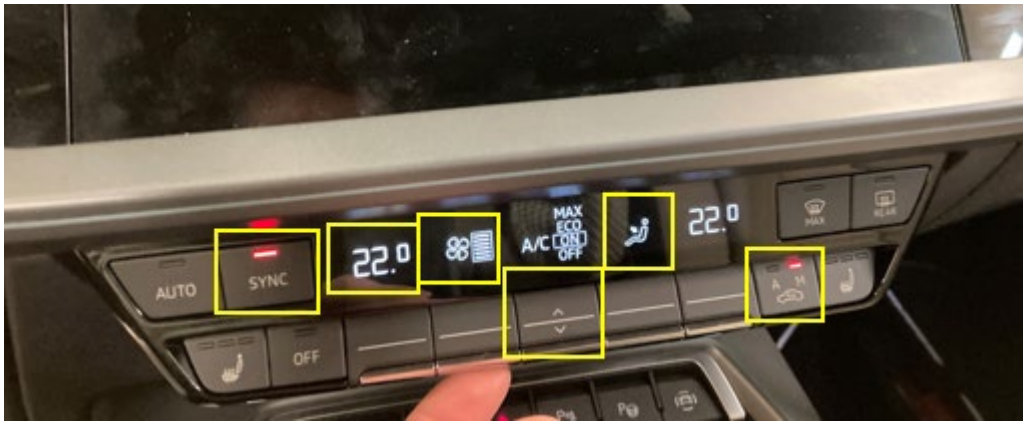
Fan Position during dyno testing:
FTP / HWY = Road Speed Fan (Modulated)
US06 = Road Speed Fan (Modulated)

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

Sect No.	Date:	Comment:	R/C No.
Part 1			
	07/27/2026	Initial Application created	N/A
Part2			

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

Running Change / Field Fix Log for test group only.

Model Year: 2027
Test Group: VVGAV02.5NAG
Models: RS 3
Evaporative Family: VVGAR0139NCB

RC / FF Number	Description of Change / Reason	Date

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.

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 06/01/2026

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 *

VVGAV02.5NAG

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 Cert Fee for TG: VVGAV02.5NAG
Pay.gov Tracking ID: 282RIF2
Agency Tracking ID: 77405576527

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).

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.

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
July 13, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAV02.5NAG with Evaporative Family
VVGAR0139NCB

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>
VVGAV02.5NAG	Tier 4 Interim Bin 125 LEV IV ULEV 125	Federal California

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

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

Sincerely,

D'Ambrosi Anthony
VWPKI
5406C07D40F4331C
Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.07.13 11:39:46 -04'00'

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

Enclosure(s)

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**

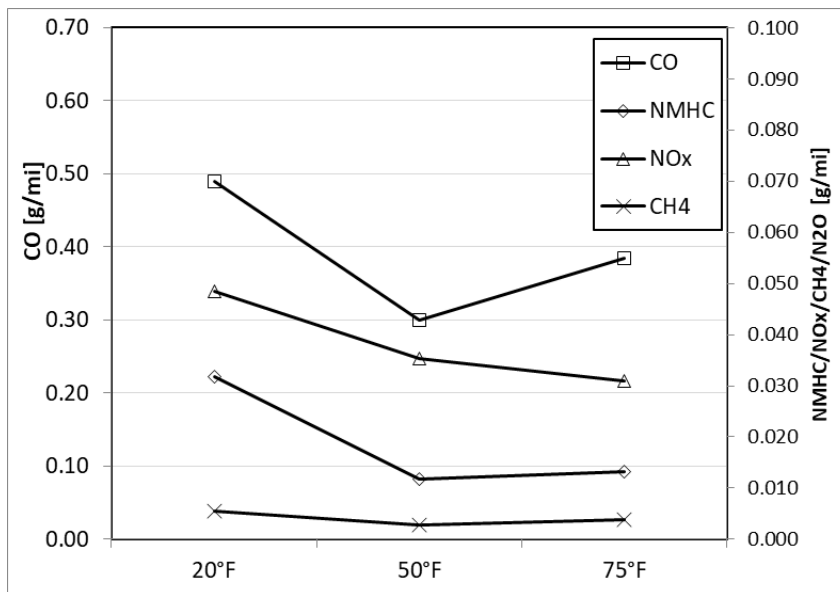
F_{HCHO} (Indolene):

F_{HCHO} (Phase II):

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

17.5 Continuity of Emissions

RS 3

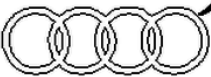


17.6 Applicable Deterioration Factors

	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	0.0034	0.0018	0.0019	0.0043	0.18	-	0.0001	0.0062
150k	0.008*	0.0042*	0.0058	0.0127	0.54	-	0.0002	0.0185

*120k

21. Vehicle Emission Control Information Label

AUDI AG		
VEHICLE EMISSION CONTROL INFORMATION		
CONFORMS TO REGULATIONS: 2027 MY		
U.S.EPA:	BIN125 LDV	OBD: CA II FUEL: GASOLINE
CALIFORNIA:	ULEV125 PC	OBD: CA II FUEL: GASOLINE
NO ADJUSTMENTS NEEDED.		
DFI+SFI/TC/CAC/TWC/2TWC/ WR-HO2S/HO2S		
GROUP:	VVGAV02.5NAG	22x22 Dots
EVAP:	VVGAR0139NCB	
		8Y0 010 504 AA

21.2 Engine Control Module (ECM) Information

Model	Engine Code	SW-Part number	Cal ID	CVN	Comments
RS 3	DXHB	5WA.907.404.B 0002	5WA404B 0002ATAK	CA 69 EC 64	RS3-011

21.21 Gateway Control Module (ECM2) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
RS 3	DQ500-7A	5QS 907 530 J 3096	5QS530J+30960142	16 F4 52 57	RC_T2.0AxN_2.5 NAG_111_25
		5QS.907.530.H 2105	5QS530H+21050142	FE 8A 09 7A	P3P-43909

21.3 Transmission Control Module (TCM) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
RS 3	DQ500-7A	0DL.906.558.AP 0861	0DL906558AP+0861	1C B8 8D 2A	RS3-011

21.5 Brake Booster Control Module (EBBC) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
RS 3	DQ500-7A	5WA.909.059.AH 0563	5WA059AH056310oe	1E 94 D2 7A	RS3-011 18" Steel brake
			5WA059AH056311oe	48 B8 11 F5	19" Ceramic brake

21.6 Brake System Control Module (BSCM) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
RS 3	DQ500-7A	8Y0.614.517.K 0084	8Y0517K 00841270	75 3D CC C9	RS3-011
		8Y0.614.517.L 0085	8Y0517L+00855840	E9 54 9D C4	P3P-43346

21.61 Airbag Control Module (ACM) Information

Model	Trans Code	SW-Part number	Cal ID	CVN	Comments
RS 3	DQ500-7A	5QS 959 655 AC 0331	5QS655AC03313000	C2 DE 19 6B	P3P-43187