

Certification Summary Information Report

Manufacturer	Volkswagen Group of America, Inc.	Manufacturer Code	VGA
Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Certificate Number	VVGAJ01.5V2L-020	CARB Executive Order #	--
Certificate Issue Date	07/07/2026	Certificate Revision Date	--
Certificate Effective Date	07/07/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	07/07/2026 11:18:30 AM
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	Yes

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	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	VVGAGPGNNV2P	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	07/13/2026	CAP2000 Conditional Certificate?	No
Independent Commercial Importer?	No	Alternative Fuel Converter Certificate?	No
SFTP Federal Composite Compliance Identifier	Not Applicable	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VVGAJ01.5V2L
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	--		
Mfr Test Group Comments	Tier 4 Evap		
Mfr Exhaust / Evap Standards Comments	--		

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Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	04/01/2026 08:37:12 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	MY27 Taos PA I electric purge air pump						
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				
VVGAR0139VEP-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.	1 - Volkswagen	142 - Taos 4Motion	California + CAA Section 177 states	4-Wheel Drive	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	142 - Taos 4Motion	Federal	4-Wheel Drive	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	141 - Taos	Federal	2-Wheel Drive, Front	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	141 - Taos	California + CAA Section 177 states	2-Wheel Drive, Front	Semi-Automatic	8	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	0W20 VW50800				
Number of Cylinders/Rotors	4	Mechanically Variable Compression Ratio Indicator	N				

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Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
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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	Platinum + Palladium + Rhodium	Ceramic	Monolith

Mfr After Treatment Device (ATD) Comments	--
Direct Ozone Reduction (DOR) Device	Not Equipped
Mfr Emission Control Device Comments	--

Engine Configuration Number 1			
Engine Displacement (liters)	1.5	Engine Rated Horsepower	174
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	Liquid
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	No cylinder deactivation		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Continuously variable valve timing		
Variable Valve Lift?	No		
Variable Valve Lift System Description	No variable valve lift		
Number of Knock Sensors	1	Number of Air/Fuel Sensors	2
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	No	Cooled Exhaust Gas Recirculation	No
EGR Type	--	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	Yes		
Air Injection Type	Secondary Air Injection	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	Applies to DYBA 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	VVGA10093522	VVGA10093523	VVGA10093545	VVGA10093543	VVGA10093521	22.8	21.7	31.4	30.1	--	

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Test Group		VVGAJ01.5V2L		Evaporative/Refueling Family		VVGAR0139VEP	
SFTP LEV-III Official Test Numbers							
Test Group Fuel		FTP		US06		SC03	
Gasoline		VVGA10093522		VVGA10093523		VVGA10093545	

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Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP					
Emission Data Vehicle Information								
Vehicle ID / Configuration	VW316550191 / 0	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	SVGAJ01.5V2L	Original Evaporative/Refueling Family	SVGAR0139VEP					
Original Test Vehicle Model Year	2025							
Vehicle Model								
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	Taos 4Motion					
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	1.0288					
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor							
Odometer Correction Units	Miles							
Engine Code	DYBA	Rated Horsepower	174					
Displacement (liters)	1.498							
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'						
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single					
Charge Air Cooler Type	Liquid	Drive Mode While Testing	All Wheel Drive					
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)					
Curb Weight (lbs)	3538	Equivalent Test Weight (pounds)	3875					
GVWR (lbs)	4608	N/V Ratio	27.1					
Axle Ratio	3.37							
Transmission Type	Semi-Automatic	# of Transmission Gears	8					
Transmission Lockup	Yes	Creep Gear	No					

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
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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	32.6	0.1204	0.02278	6.77	-0.2098	0.0244	12.7
Cold CO	35.86	0.1325	0.02505	0	0	0	N/A
US06	32.6	0.1204	0.02278	6.77	-0.2098	0.0244	N/A

Emission Control Device Comments	CAC/DFI/AIR/TC/WR-HO2S/TWC(2)/GPF/HO2S
Manufacturer Test Vehicle Comments	MY25 Taos EVAP

Test #	SVGA10087210	Test Procedure	23 - 2-day evap
Exhaust Test # for this Evap Test	SVGA10087160	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	05/22/2024	Fuel	Gasoline
Fuel Batch ID	WB0024	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4104	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	--	Road Speed Fan Usage	--

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.241	--

Manufacturer Test Comments	2D-SHED
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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	0.241	0	0.241	0.275	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.241	0	0.241	0.275	Pass

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Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	SVGA10087211	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	SVGA10087161	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	06/05/2024	Fuel	Gasoline
Fuel Batch ID	WB0024	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4156	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	--	Road Speed Fan Usage	--

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.173	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.173	0.0051	0.178	0.275	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.173	0.005	0.178	0.275	Pass

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Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	SVGA91006012	Test Procedure	23 - 2-day evap
Exhaust Test # for this Evap Test	SVGA91006010	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	08/30/2024	Fuel	Gasoline
Fuel Batch ID	28637	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4414	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	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.171392	--

Manufacturer Test Comments

Hot_Soak_HC_(g) = 0.028921, Diurnal (gHC) = 0.142471

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	0.1714	0	0.171	0.275	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.1714	0	0.171	0.275	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP						
Test #	SVGA10087209	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	SVGA10087162	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	05/28/2024	Fuel	Gasoline						
Fuel Batch ID	WB0024	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Volkswagen AG WOB2								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4122	Odometer Units	M						
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	--	Road Speed Fan Usage	--						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.007</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.007	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.007	--							
Manufacturer Test Comments ORVR									
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	0.007	0.006	0.01	0.2	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.007	0.006	0.01	0.2	Pass	

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Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	SVGA10087212	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	SVGA10087161	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	06/05/2024	Fuel	Gasoline
Fuel Batch ID	WB0024	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4174	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	--	Road Speed Fan Usage	--

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0005	--

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	0	0	0.05	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0	0	0	0.05	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP						
Test #	SVGA10087208	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	06/24/2024	Fuel	N/A						
Fuel Batch ID	WB0024	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Volkswagen AG WOB2								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	0	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	--	Road Speed Fan Usage	--						
Test Results									
	<table><tr><td>Test Result Name</td><td>Unrounded Test Result</td><td>Verify Calculated FE Equivalent Value</td></tr><tr><td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td><td>0.0115</td><td>--</td></tr></table>			Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0115	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0115	--							
Manufacturer Test Comments	BETP component test, purge volume 202,5l								

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Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP						
Emission Data Vehicle Information									
Vehicle ID / Configuration	VW316570041 / 1	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	VVGAJ01.5V2L	Original Evaporative/Refueling Family	VVGAR0139VEP						
Original Test Vehicle Model Year	2027								
Vehicle Model									
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	Taos 4Motion						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.0488						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	DYBA	Rated Horsepower	174						
Displacement (liters)	1.498								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Liquid	Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3541	Equivalent Test Weight (pounds)	3875						
GVWR (lbs)	4608	N/V Ratio	27.1						
Axle Ratio	3.37								
Transmission Type	Semi-Automatic	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

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Test Group		VVGAJ01.5V2L			Evaporative/Refueling Family		VVGAR0139VEP	
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	33.95	0.1204	0.02278	5.28	-0.1796	0.02376	12.9	
Cold CO	37.35	0.1325	0.02505	1.64	-0.4805	0.02818	N/A	
US06	33.95	0.1204	0.02278	5.28	-0.1796	0.02376	N/A	
Emission Control Device Comments		CAC/DFI/AIR/TC/WR-HO2S/TWC(2)/GPF/HO2S						
Manufacturer Test Vehicle Comments		--						

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Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10093522	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	01/27/2026	Fuel	Gasoline
Fuel Batch ID	WB0036	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4201	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP																																																																																				
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>307.3903367</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.5445</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>28.1198523</td><td>28.1198523</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0058</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0093</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>312.1441779</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.2412</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>27.7377651</td><td>27.7377651</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0046</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>270.1288732</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.2122</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>32.0505178</td><td>32.0505178</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0054</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0007</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0050719</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.2961059</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-0.2259872</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-1.10263</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-0.2147705</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>28.8</td><td>28.8</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0044799</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0010559</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0019303</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0019</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0000387</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0066949</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	307.3903367	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.5445	--	FE BAG 1 (Bag 1 Fuel Economy)	28.1198523	28.1198523	CH4 BAG 1 (Bag 1 Methane)	0.0058	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0093	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	312.1441779	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.2412	--	FE BAG 2 (Bag 2 Fuel Economy)	27.7377651	27.7377651	CH4 BAG 2 (Bag 2 Methane)	0.0046	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	270.1288732	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.2122	--	FE BAG 3 (Bag 3 Fuel Economy)	32.0505178	32.0505178	CH4 BAG 3 (Bag 3 Methane)	0.0054	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0007	--	METHANE (CH4 - Methane)	0.0050719	--	CO (Carbon Monoxide)	0.2961059	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.2259872	--	DT-EER (Drive Trace Energy Economy Rating)	-1.10263	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.2147705	--	MFR FE (Manufacturer Fuel Economy)	28.8	28.8	NOX (Nitrogen Oxide)	0.0044799	--	N2O (Nitrous Oxide)	0.0010559	--	HC-NM (Non-methane Hydrocarbon)	0.0019303	--	NMOG (Non-methane organic gases)	0.0019	--	PM (Particulate Matter)	0.0000387	--	HC-TOTAL (Total Hydrocarbon)	0.0066949	--		
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Certification Summary Information Report

Test Group		VVG AJ01.5V2L			Evaporative/Refueling Family					VVG AR0139VEP		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 4 Bin 20	CREE	300	--	--	--	0.08	--	300	--	--
Fed	120,000 miles	Federal Tier 4 Bin 20	METHANE	0.0051	--	--	--	0.0021	--	0.007	0.030	Pass
Fed	120,000 miles	Federal Tier 4 Bin 20	N2O	0.0011	--	--	--	0	--	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	CO	0.3	--	--	--	0.07	--	0.4	1.7	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0.0019	--	1.0991	--	0	--	0.002	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0064	--	--	--	--	--	0.006	0.020	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.0045	--	--	--	0	--	0.004	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	PM	0.00004	--	--	--	0	--	0	0.0005	Pass
CA	150,000 miles	California LEV-IV SULEV20	CO	0.3	--	--	--	0.07	--	0.4	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG	0.0019	--	1.0991	--	0	--	0.002	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG+NOX	0.0064	--	--	--	--	--	0.006	0.020	Pass
CA	150,000 miles	California LEV-IV SULEV20	NOX	0.0045	--	--	--	0	--	0.004	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	PM	0	--	--	--	0	--	0	0.001	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	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10093524	Test Procedure	52 - Fed. fuel 50 F exh.
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	02/18/2026	Fuel	Gasoline
Fuel Batch ID	WB0036	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4420	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP																																																																																				
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>333.766</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.5898</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>25.896</td><td>25.896</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0063</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0172</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>324.33</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.2538</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>26.695</td><td>26.695</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0057</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0009</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>277.99</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.1855</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>31.15</td><td>31.15</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0047</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0012</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0056</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.3045</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-0.13</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-0.9</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-0.19</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>27.603</td><td>27.603</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0033</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.00125</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0039</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0043</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0001</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0094</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	333.766	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.5898	--	FE BAG 1 (Bag 1 Fuel Economy)	25.896	25.896	CH4 BAG 1 (Bag 1 Methane)	0.0063	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0172	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	324.33	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.2538	--	FE BAG 2 (Bag 2 Fuel Economy)	26.695	26.695	CH4 BAG 2 (Bag 2 Methane)	0.0057	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0009	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	277.99	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.1855	--	FE BAG 3 (Bag 3 Fuel Economy)	31.15	31.15	CH4 BAG 3 (Bag 3 Methane)	0.0047	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0012	--	METHANE (CH4 - Methane)	0.0056	--	CO (Carbon Monoxide)	0.3045	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.13	--	DT-EER (Drive Trace Energy Economy Rating)	-0.9	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.19	--	MFR FE (Manufacturer Fuel Economy)	27.603	27.603	NOX (Nitrogen Oxide)	0.0033	--	N2O (Nitrous Oxide)	0.00125	--	HC-NM (Non-methane Hydrocarbon)	0.0039	--	NMOG (Non-methane organic gases)	0.0043	--	PM (Particulate Matter)	0.0001	--	HC-TOTAL (Total Hydrocarbon)	0.0094	--		
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Certification Summary Information Report

Test Group		VVG AJ01.5V2L				Evaporative/Refueling Family				VVG AR0139VEP		
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 SULEV20	CO	0.3	--	--	--	--	1	0.3	1.0	Pass
CA	4,000 miles	California LEV-IV SULEV20	NMOG	0.0043	--	1.0991	--	--	1	0.004	99.999	Pass
CA	4,000 miles	California LEV-IV SULEV20	NMOG+NOX	0.0076	--	--	--	--	--	0.008	0.040	Pass
CA	4,000 miles	California LEV-IV SULEV20	NOX	0.0033	--	--	--	--	1	0.003	99.999	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10093543	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	02/25/2026	Fuel	Gasoline
Fuel Batch ID	WB0026	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4511	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP																																																																																				
<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>403.2713507</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>1.545</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>21.2182772</td><td>21.2182772</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0192</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.261</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>360.8630442</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.2984</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>23.8677034</td><td>23.8677034</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0049</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0019</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>301.0054253</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.1537</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>28.6280307</td><td>28.6280307</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0047</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0015</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0078266</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.5167814</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>0.8261736</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-0.2042912</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>1.248675</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>24.4</td><td>24.4</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0125994</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0014498</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0503541</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0553</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0001348</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0580109</td><td>--</td></tr></table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	403.2713507	--	CO BAG 1 (Bag 1 Carbon Monoxide)	1.545	--	FE BAG 1 (Bag 1 Fuel Economy)	21.2182772	21.2182772	CH4 BAG 1 (Bag 1 Methane)	0.0192	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.261	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	360.8630442	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.2984	--	FE BAG 2 (Bag 2 Fuel Economy)	23.8677034	23.8677034	CH4 BAG 2 (Bag 2 Methane)	0.0049	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0019	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	301.0054253	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.1537	--	FE BAG 3 (Bag 3 Fuel Economy)	28.6280307	28.6280307	CH4 BAG 3 (Bag 3 Methane)	0.0047	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0015	--	METHANE (CH4 - Methane)	0.0078266	--	CO (Carbon Monoxide)	0.5167814	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.8261736	--	DT-EER (Drive Trace Energy Economy Rating)	-0.2042912	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.248675	--	MFR FE (Manufacturer Fuel Economy)	24.4	24.4	NOX (Nitrogen Oxide)	0.0125994	--	N2O (Nitrous Oxide)	0.0014498	--	HC-NM (Non-methane Hydrocarbon)	0.0503541	--	NMOG (Non-methane organic gases)	0.0553	--	PM (Particulate Matter)	0.0001348	--	HC-TOTAL (Total Hydrocarbon)	0.0580109	--
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Manufacturer Test Comments

Lab Comments: <no value data>; Test Comments: FTP 20°F; VeCeD: COLDCO Tested as Taos 4Motion EDV ETW: 3875 RLHP: 12.9

Certification Summary Information Report

Test Group		VVGAJ01.5V2L			Evaporative/Refueling Family					VVGAR0139VEP		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 4 Bin 20	CO	0.52	--	--	--	0.02	--	0.5	10.0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0.0553	--	1.0991	--	0	--	0.055	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0679	--	--	--	--	--	0.068	0.300	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.0126	--	--	--	0	--	0.013	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	PM	0	--	--	--	0	--	0	0.5	Pass
CA	50,000 miles	California LEV-IV SULEV20	CO	0.52	--	--	--	0.02	--	0.5	10.0	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10093546	Test Procedure	49 - Quick-Driveway (QD)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	01/29/2026	Fuel	Gasoline
Fuel Batch ID	WB0036	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4262	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)	311.771	--
CO BAG 1 (Bag 1 Carbon Monoxide)	0.6156	--
CH4 BAG 1 (Bag 1 Methane)	0.0072	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0224	--
METHANE (CH4 - Methane)	0.0072	--
CO (Carbon Monoxide)	0.6156	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.58	--
DT-EER (Drive Trace Energy Economy Rating)	-0.47	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.87	--
MFR FE (Manufacturer Fuel Economy)	27.7	27.7
NOX (Nitrogen Oxide)	0.0025	--
N2O (Nitrous Oxide)	0.00309	--
HC-NM (Non-methane Hydrocarbon)	0.0135	--
NMOG (Non-methane organic gases)	0.0224	--
HC-TOTAL (Total Hydrocarbon)	0.0287	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	311.771	--

Manufacturer Test Comments

VW MY27 Taos 4Motion EDV_Quick Drive away Tested as Taos 4Motion

Certification Summary Information Report

Test Group		VVG AJ01.5V2L				Evaporative/Refueling Family				VVG AR0139VEP		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0.0224	--	--	--	0	--	0.022	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0249	--	--	--	--	--	0.025	0.032	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.0025	--	--	--	0	--	0.002	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG	0.0224	--	--	--	0	--	0.022	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG+NOX	0.0249	--	--	--	--	--	0.025	0.038	Pass
CA	150,000 miles	California LEV-IV SULEV20	NOX	0.0025	--	--	--	0	--	0.002	99.999	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10093547	Test Procedure	58 - Partial Soak (PS) - 40 minute
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	01/30/2026	Fuel	Gasoline
Fuel Batch ID	WB0036	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4273	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP																																																																																	
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>283.917</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.3103</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>30.48</td><td>30.48</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0036</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0017</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>313.475</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.2632</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>27.617</td><td>27.617</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0042</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>272.755</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.234</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>31.739</td><td>31.739</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0052</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0002</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0044</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.2649</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>0.11</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-0.16</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>0.06</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>29.223</td><td>29.223</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0042</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.00122</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0004</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0004</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0045</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	283.917	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.3103	--	FE BAG 1 (Bag 1 Fuel Economy)	30.48	30.48	CH4 BAG 1 (Bag 1 Methane)	0.0036	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0017	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	313.475	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.2632	--	FE BAG 2 (Bag 2 Fuel Economy)	27.617	27.617	CH4 BAG 2 (Bag 2 Methane)	0.0042	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	272.755	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.234	--	FE BAG 3 (Bag 3 Fuel Economy)	31.739	31.739	CH4 BAG 3 (Bag 3 Methane)	0.0052	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0002	--	METHANE (CH4 - Methane)	0.0044	--	CO (Carbon Monoxide)	0.2649	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.11	--	DT-EER (Drive Trace Energy Economy Rating)	-0.16	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.06	--	MFR FE (Manufacturer Fuel Economy)	29.223	29.223	NOX (Nitrogen Oxide)	0.0042	--	N2O (Nitrous Oxide)	0.00122	--	HC-NM (Non-methane Hydrocarbon)	0.0004	--	NMOG (Non-methane organic gases)	0.0004	--	HC-TOTAL (Total Hydrocarbon)	0.0045	--		
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Manufacturer Test Comments	VW MY27 Taos 4Motion EDV_40min Partial Soak Tested as Taos 4Motion																																																																																			

Certification Summary Information Report

Test Group		VVG AJ01.5V2L				Evaporative/Refueling Family				VVG AR0139VEP		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0.0004	--	--	--	0	--	0	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0046	--	--	--	--	--	0.005	0.015	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.0042	--	--	--	0	--	0.004	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG	0.0004	--	--	--	0	--	0	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG+NOX	0.0046	--	--	--	--	--	0.005	0.015	Pass
CA	150,000 miles	California LEV-IV SULEV20	NOX	0.0042	--	--	--	0	--	0.004	99.999	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10094750	Test Procedure	57 - Partial Soak (PS) - 10 minute
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	07/03/2026	Fuel	Gasoline
Fuel Batch ID	WB0042	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4712	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)	271.299	--
CO BAG 1 (Bag 1 Carbon Monoxide)	0.1634	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0011	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	323.089	--
CO BAG 2 (Bag 2 Carbon Monoxide)	0.2663	--
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--
CO2 BAG 3 (Bag 3 Carbon Dioxide)	271.671	--
CO BAG 3 (Bag 3 Carbon Monoxide)	0.2086	--
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.001	--
CO (Carbon Monoxide)	0.2291	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.13	--
DT-EER (Drive Trace Energy Economy Rating)	-1.16	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.06	--
MFR FE (Manufacturer Fuel Economy)	29.155	29.155
NOX (Nitrogen Oxide)	0.0038	--
HC-NM (Non-methane Hydrocarbon)	0.0005	--
NMOG (Non-methane organic gases)	0.0005	--
HC-TOTAL (Total Hydrocarbon)	0.0066	--

Certification Summary Information Report

Test Group		VVG AJ01.5V2L				Evaporative/Refueling Family				VVGAR0139VEP			
		Test Result Name		Unrounded Test Result		Verify Calculated CO2							
		Carbon dioxide		298.224		--							
Manufacturer Test Comments		Test Comments: EDV Partial Soak 10 min; Tested as Taos 4Motion EDV ETW: 3875 RLHP: 12.9											
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0.0005	--	--	--	0	--	0	99.999	Pass	
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0043	--	--	--	--	--	0.004	0.010	Pass	
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.0038	--	--	--	0	--	0.004	99.999	Pass	

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP																																													
Test #	VVGA10094751	Test Procedure	59 - Partial Soak (PS) - 3 to 12 hour																																													
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																													
Test Date	07/03/2026	Fuel	Gasoline																																													
Fuel Batch ID	WB0042	Fuel Calibration Number	1																																													
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined																																													
Verify Test Lab ID	Volkswagen AG WOB2																																															
E10 Evaporative Test Measurement Method	--																																															
Test Start Odometer Reading	4730	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																																																
<table border="1"> <thead> <tr> <th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr> </thead> <tbody> <tr> <td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>295.258</td><td>--</td></tr> <tr> <td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.4714</td><td>--</td></tr> <tr> <td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0105</td><td>--</td></tr> <tr> <td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>323.089</td><td>--</td></tr> <tr> <td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.2663</td><td>--</td></tr> <tr> <td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0</td><td>--</td></tr> <tr> <td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>271.671</td><td>--</td></tr> <tr> <td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.2086</td><td>--</td></tr> <tr> <td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.001</td><td>--</td></tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>99.99</td><td>--</td></tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td><td>99.99</td><td>--</td></tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>99.99</td><td>--</td></tr> <tr> <td>NOX (Nitrogen Oxide)</td><td>0.004013</td><td>--</td></tr> <tr> <td>NMOG (Non-methane organic gases)</td><td>0.00245</td><td>--</td></tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	295.258	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.4714	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0105	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	323.089	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.2663	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	271.671	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.2086	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.001	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	99.99	--	DT-EER (Drive Trace Energy Economy Rating)	99.99	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	99.99	--	NOX (Nitrogen Oxide)	0.004013	--	NMOG (Non-methane organic gases)	0.00245	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																														
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NMOG (Non-methane organic gases)	0.00245	--																																														
Manufacturer Test Comments	Test Comments: EDV Partial Soak 3h: Tested as Taos 4Motion EDV ETW: 3875 RLHP: 12.9																																															

Certification Summary Information Report

Test Group		VVGAJ01.5V2L				Evaporative/Refueling Family				VVGAR0139VEP		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0.0024	--	--	--	0	--	0.002	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0064	--	--	--	--	--	0.006	0.020	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.004	--	--	--	0	--	0.004	99.999	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10093521	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	01/27/2026	Fuel	Gasoline
Fuel Batch ID	WB0036	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4212	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)	0.0003392	--
CO (Carbon Monoxide)	0.0879397	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.1010643	--
DT-EER (Drive Trace Energy Economy Rating)	-0.0958603	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.1367399	--
MFR FE (Manufacturer Fuel Economy)	45.6	45.6
NOX (Nitrogen Oxide)	0.0016213	--
N2O (Nitrous Oxide)	0.0002191	--
HC-NM (Non-methane Hydrocarbon)	0.0000326	--
NMOG (Non-methane organic gases)	0	--
PM (Particulate Matter)	0.0000891	--
HC-TOTAL (Total Hydrocarbon)	0.0003699	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	190	190

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	190.4191914	--

Manufacturer Test Comments

Lab Comments: <no value data>; Test Comments: EDV HWY; VeCeD: HWY Tested as Taos 4Motion EDV ETW: 3875 RLHP: 12.9

Certification Summary Information Report

Test Group		VVG AJ01.5V2L			Evaporative/Refueling Family					VVG AR0139VEP		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 4 Bin 20	CREE	190	--	--	--	0.08	--	190	--	--
Fed	150,000 miles	Federal Tier 4 Bin 20	CO	0.09	--	--	--	0	--	0.1	1.7	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0	--	1.03	--	0	--	0	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0016	--	--	--	--	--	0.002	0.020	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.0016	--	--	--	0	--	0.002	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG	0	--	1.03	--	0	--	0	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG+NOX	0.0016	--	--	--	--	--	0.002	0.020	Pass
CA	150,000 miles	California LEV-IV SULEV20	NOX	0.0016	--	--	--	0	--	0.002	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	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10093523	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	01/27/2026	Fuel	Gasoline
Fuel Batch ID	WB0036	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4240	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP																																																																					
<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>479.1562656</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>1.0407</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>18.0299269</td><td>18.0299269</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0044</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0031</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>256.0960373</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.8784</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>33.6675445</td><td>33.6675445</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0027</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0016</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0030959</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.9144742</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-3.168244</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-1.075496</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-5.717445</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>28.2</td><td>28.2</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0067056</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0006088</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0019097</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0019</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.00018</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0049875</td><td>--</td></tr></table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	479.1562656	--	CO BAG 1 (Bag 1 Carbon Monoxide)	1.0407	--	FE BAG 1 (Bag 1 Fuel Economy)	18.0299269	18.0299269	CH4 BAG 1 (Bag 1 Methane)	0.0044	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0031	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	256.0960373	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.8784	--	FE BAG 2 (Bag 2 Fuel Economy)	33.6675445	33.6675445	CH4 BAG 2 (Bag 2 Methane)	0.0027	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0016	--	METHANE (CH4 - Methane)	0.0030959	--	CO (Carbon Monoxide)	0.9144742	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-3.168244	--	DT-EER (Drive Trace Energy Economy Rating)	-1.075496	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-5.717445	--	MFR FE (Manufacturer Fuel Economy)	28.2	28.2	NOX (Nitrogen Oxide)	0.0067056	--	N2O (Nitrous Oxide)	0.0006088	--	HC-NM (Non-methane Hydrocarbon)	0.0019097	--	NMOG (Non-methane organic gases)	0.0019	--	PM (Particulate Matter)	0.00018	--	HC-TOTAL (Total Hydrocarbon)	0.0049875	--
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<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CREE/OPT-CREE</th></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>307</td><td>--</td></tr></table>				Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	307	--																																																															
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<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr><tr><td>Carbon dioxide</td><td>305.7101816</td><td>--</td></tr></table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	305.7101816	--																																																															
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																																																						
Carbon dioxide	305.7101816	--																																																																						
Manufacturer Test Comments	Lab Comments: <no value data>; Test Comments: EDV US06; VeCeD: US06 Tested as Taos 4Motion EDV ETW: 3875 RLHP: 12.9																																																																							

Certification Summary Information Report

Test Group		VVG AJ01.5V2L			Evaporative/Refueling Family					VVG AR0139VEP		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 20	CO	0.91	--	--	--	0.07	--	1	9.6	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0.0019	--	1.03	--	0	--	0.002	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0086	--	--	--	--	--	0.009	0.020	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.0067	--	--	--	0	--	0.007	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	PM	0.00018	--	--	--	0	--	0.0002	0.0005	Pass
CA	150,000 miles	California LEV-IV SULEV20	CO	0.91	--	--	--	0.07	--	1	9.6	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG	0.0019	--	1.03	--	0	--	0.002	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG+NOX	0.0086	--	--	--	--	--	0.009	0.036	Pass
CA	150,000 miles	California LEV-IV SULEV20	NOX	0.0067	--	--	--	0	--	0.007	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	PM	0.0002	--	--	--	0	--	0	0.003	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Test #	VVGA10093545	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/11/2026	Fuel	Gasoline
Fuel Batch ID	IG0059	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	4608	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)	0.0044943	--
CO (Carbon Monoxide)	0.2243033	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.6658846	--
DT-EER (Drive Trace Energy Economy Rating)	-0.0473356	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.5355595	--
MFR FE (Manufacturer Fuel Economy)	23.8	23.8
NOX (Nitrogen Oxide)	0.0057716	--
N2O (Nitrous Oxide)	0.0007908	--
HC-NM (Non-methane Hydrocarbon)	0.0010488	--
NMOG (Non-methane organic gases)	0.0011	--
PM (Particulate Matter)	0.0002499	--
HC-TOTAL (Total Hydrocarbon)	0.0053986	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	364	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	363.881047	--

Manufacturer Test Comments

Lab Comments: kein Kommentar!; Test Comments: EDV SC03; VeCeD: SC03 Tested as Taos 4Motion EDV ETW: 3875 RLHP: 12.9

Certification Summary Information Report

Test Group		VVG AJ01.5V2L				Evaporative/Refueling Family				VVG AR0139VEP		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 20	CO	0.22	--	--	--	0.07	--	0.3	1.7	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG	0.0011	--	1.03	--	0	--	0.001	99.999	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NMOG+NOX	0.0069	--	--	--	--	--	0.007	0.020	Pass
Fed	150,000 miles	Federal Tier 4 Bin 20	NOX	0.0058	--	--	--	0	--	0.006	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	CO	0.22	--	--	--	0.07	--	0.3	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG	0.0011	--	--	--	0	--	0.001	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV20	NMOG+NOX	0.0069	--	--	--	--	--	0.007	0.020	Pass
CA	150,000 miles	California LEV-IV SULEV20	NOX	0.0058	--	--	--	0	--	0.006	99.999	Pass

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Fuel Properties			
Fuel Batch ID	WB0024	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	01/23/2024
Fuel Batch Calibration Effective Date	01/24/2024	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	0.75
Fuel Ethanol Volume Percent (%)	9.6	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17932
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.825	Weight Fraction CO2	--
Fuel Batch ID	WB0036	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	09/08/2025
Fuel Batch Calibration Effective Date	11/05/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.752
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.91	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	28637	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	08/26/2021
Fuel Batch Calibration Effective Date	08/26/2021	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	0.75
Fuel Ethanol Volume Percent (%)	9.6	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17894
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.825	Weight Fraction CO2	--
Fuel Batch ID	WB0026	Fuel Calibration Number	2
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	02/08/2024
Fuel Batch Calibration Effective Date	02/16/2024	Fuel Batch Calibration Ineffective Date	--

Certification Summary Information Report

Test Group	VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.74
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.47	Fuel Carbon Mass Fraction (E10)	0.825
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	IG0059	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	09/08/2025
Fuel Batch Calibration Effective Date	09/11/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.752
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.378	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	WB0042	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	04/15/2026
Fuel Batch Calibration Effective Date	06/01/2026	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.751
Fuel Ethanol Volume Percent (%)	9.6	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.98	Fuel Carbon Mass Fraction (E10)	0.832
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VVGAJ01.5V2L			Evaporative/Refueling Family			VVGAR0139VEP	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 20	
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	--	--	--	--	--	--	0.08	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0021	0.030
120,000 miles	N2O	--	--	--	--	--	--	0	0.010
150,000 miles	CO	--	--	--	--	--	--	0.07	1.7
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004
150,000 miles	NMOG	--	--	1.0991	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.020
150,000 miles	NOX	--	--	--	--	--	--	0	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.0005
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 20	
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	--	--	--	--	--	--	0.08	999
150,000 miles	CO	--	--	--	--	--	--	0	1.7
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.020
150,000 miles	NOX	--	--	--	--	--	--	0	99.999

Certification Summary Information Report

Test Group	VVG AJ01.5V2L				Evaporative/Refueling Family			VVGAR0139VEP	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Cert	
Vehicle Class	LDV/Passenger Car				Standard Level			California LEV-IV SULEV20	
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	--	--	--	--	--	--	0.07	1.0
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004
150,000 miles	NMOG	--	--	1.0991	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.020
150,000 miles	NOX	--	--	--	--	--	--	0	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.001

Cert Region	Federal				Cert/In-Use Code			Cert	
Vehicle Class	LDV/Passenger Car				Standard Level			Federal Tier 4 Bin 20	
Fuel	Gasoline				Test Procedure			Partial Soak (PS) - 3 to 12 hour	
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	--	--	--	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.020
150,000 miles	NOX	--	--	--	--	--	--	0	99.999

Cert Region	Federal				Cert/In-Use Code			Both	
Vehicle Class	LDV/Passenger Car				Standard Level			Federal Tier 4 Bin 20	
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	--	--	--	--	--	--	0.07	9.6
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.020
150,000 miles	NOX	--	--	--	--	--	--	0	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.0005

Certification Summary Information Report

Test Group		VVGAJ01.5V2L			Evaporative/Refueling Family			VVGAR0139VEP	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV20	
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	--	--	--	--	--	--	0.07	9.6
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.036
150,000 miles	NOX	--	--	--	--	--	--	0	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.003
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 20	
Fuel		Gasoline			Test Procedure			Partial Soak (PS) - 40 minute	
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	--	--	--	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.015
150,000 miles	NOX	--	--	--	--	--	--	0	99.999
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 20	
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	--	--	--	--	--	--	0.07	1.7
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.020
150,000 miles	NOX	--	--	--	--	--	--	0	99.999

Certification Summary Information Report

Test Group		VVGAJ01.5V2L			Evaporative/Refueling Family			VVGAR0139VEP	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV20	
Fuel		Gasoline			Test Procedure			Fed. fuel 50 F exh.	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	1	--	1.0
4,000 miles	HCHO	--	--	--	--	--	--	--	0.008
4,000 miles	NMOG	--	--	1.0991	--	--	1	--	99.999
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.040
4,000 miles	NOX	--	--	--	--	--	1	--	99.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV20	
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	--	--	--	--	--	--	0.07	1.0
150,000 miles	NMOG	--	--	--	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.020
150,000 miles	NOX	--	--	--	--	--	--	0	99.999
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 20	
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	--	--	--	--	--	--	0.02	10.0
150,000 miles	NMOG	--	--	1.0991	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.300
150,000 miles	NOX	--	--	--	--	--	--	0	99.999
150,000 miles	PM	--	--	--	--	--	--	0	0.5

Certification Summary Information Report

Test Group		VVGAJ01.5V2L			Evaporative/Refueling Family			VVGAR0139VEP	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV20	
Fuel		Gasoline			Test Procedure			Quick-Driveway (QD)	
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	--	--	--	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.038
150,000 miles	NOX	--	--	--	--	--	--	0	99.999

Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 20	
Fuel		Gasoline			Test Procedure			Quick-Driveway (QD)	
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	--	--	--	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.032
150,000 miles	NOX	--	--	--	--	--	--	0	99.999

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 20	
Fuel		Gasoline			Test Procedure			Partial Soak (PS) - 10 minute	
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	--	--	--	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.010
150,000 miles	NOX	--	--	--	--	--	--	0	99.999

Certification Summary Information Report

Test Group	VVG AJ01.5V2L				Evaporative/Refueling Family			VVGAR0139VEP	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Cert	
Vehicle Class	LDV/Passenger Car				Standard Level			California LEV-IV SULEV20	
Fuel	Gasoline				Test Procedure			Partial Soak (PS) - 40 minute	
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	--	--	--	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.015
150,000 miles	NOX	--	--	--	--	--	--	0	99.999

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDV/Passenger Car				Standard Level			California LEV-IV SULEV20	
Fuel	Gasoline				Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.020
150,000 miles	NOX	--	--	--	--	--	--	0	99.999

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDV/Passenger Car				Standard Level			California LEV-IV SULEV20	
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	--	--	--	--	--	--	0.02	10.0

Evaporative/Refueling Standards

Evaporative/Refueling Family		VVGAR0139VEP		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.275	0		

Certification Summary Information Report

Test Group		VVGAJ01.5V2L		Evaporative/Refueling Family		VVGAR0139VEP	
Evaporative/Refueling Family		VVGAR0139VEP		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		
Evaporative/Refueling Family		VVGAR0139VEP		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.275	0		
Evaporative/Refueling Family		VVGAR0139VEP		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.275	0.0051		
Evaporative/Refueling Family		VVGAR0139VEP		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		
Evaporative/Refueling Family		VVGAR0139VEP		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		VVGAJ01.5V2L		Evaporative/Refueling Family		VVGAR0139VEP	
Evaporative/Refueling Family		VVGAR0139VEP		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		Federal fuel 3-day evap					
Fuel		Useful Life		Emission Name		Rounded Result	
Std		Add DF					
Gasoline		150,000 miles		HC-TOTAL-EQUIV		--	
0.275		0.005					
Evaporative/Refueling Family		VVGAR0139VEP		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		VVGAR0139VEP		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		Evap Canister Bleed Test					
Fuel		Useful Life		Emission Name		Rounded Result	
Std		Add DF					
Gasoline		150,000 miles		HC-TOTAL-EQUIV		--	
0.020		--					
Evaporative/Refueling Family		VVGAR0139VEP		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					

Certification Summary Information Report

Test Group		VVGAJ01.5V2L	Evaporative/Refueling Family	VVGAR0139VEP
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		VVGAJ01.5V2L	Evaporative/Refueling Family		VVGAR0139VEP
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		VVGAJ01.5V2L	Evaporative/Refueling Family		VVGAR0139VEP
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		

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Test Group		VVGAJ01.5V2L	Evaporative/Refueling Family		VVGAR0139VEP
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	