

Certification Summary Information Report

Manufacturer	Volkswagen Group of America, Inc.	Manufacturer Code	VGA
Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Certificate Number	VVGAJ02.0V3G-015	CARB Executive Order #	--
Certificate Issue Date	06/12/2026	Certificate Revision Date	--
Certificate Effective Date	06/12/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	05/27/2026 11:44:31 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	No

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	LDT2
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	VVGAGPGNNV3G	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	08/10/2026	CAP2000 Conditional Certificate?	No
Independent Commercial Importer?	No	Alternative Fuel Converter Certificate?	No
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	VVGAJ02.0V3T
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	CARB OBD Approval Ref #: E-26-113		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
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Evaporative/Refueling Family Information			
Evaporative Summary Information Type	New	Submission/Correction Date	05/26/2026 02:26:30 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)	157	Number of Primary Canisters	1
Number of Bleed Canisters	2	Bleed Canister Total Working Capacity (grams)	4
Mfr Evaporative/Refueling Family Comments	MY27 Tiguan PC1/PC2 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
VVGAR0157VEP-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	175 - Tiguan 4Motion	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	173 - Tiguan SEL 4Motion	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	173 - Tiguan SEL 4Motion	Federal	All Wheel Drive	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	175 - Tiguan 4Motion	Federal	All Wheel Drive	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	VVG AJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
After Treatment Device(s) (ATD)			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
1	Three-way catalyst	Palladium + Rhodium	Ceramic
2	Other	Gasoline particulate filter	Ceramic
3	Three-way catalyst	Platinum + Rhodium	Ceramic
Substrate Construction			
Monolith			
Mfr After Treatment Device (ATD) Comments			
Applied to Engine Code DYKA / DYLA			
Direct Ozone Reduction (DOR) Device			
Not Equipped			
Mfr Emission Control Device Comments			
CAC/DFI/AIR/TC/WR-HO2S/TWC(2)/GPF/HO2S			
Engine Configuration Number 1			
Engine Displacement (liters)	2.0	Engine Rated Horsepower	268
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	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Hydraulic/Hydraulic		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
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	DYKA var: 0 for SEL 4Motion		

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Test Group		VVGAJ02.0V3G			Evaporative/Refueling Family			VVGAR0157VEP													
Engine Configuration Number 2																					
Engine Displacement (liters)		2.0			Engine Rated Horsepower			201													
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		--																			
Variable Valve Timing		Yes																			
Variable Valve Timing System Description		Hydraulic/Hydraulic																			
Variable Valve Lift?		No																			
Variable Valve Lift System Description		--																			
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		DYLA var: 0 for 4Motion																			
Official Test Numbers																					
Test Group		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		TVGA10091273		TVGA10091279		TVGA10091277		TVGA10091275		TVGA10091274		22.4		228.2		37.4		286.1		--	

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Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP						
Emission Data Vehicle Information									
Vehicle ID / Configuration	VW336350654 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	SVGAJ02.0V3G	Original Evaporative/Refueling Family	SVGAR0157VEP						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	Tiguan 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	--	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						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	DYLA	Rated Horsepower	201						
Displacement (liters)	2								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Liquid	Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3937	Equivalent Test Weight (pounds)	4250						
GVWR (lbs)	5115	N/V Ratio	26.7						
Axle Ratio	3.32								
Transmission Type	Semi-Automatic	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

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Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
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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	29.67	0.3834	0.02296	2.86	0.0481	0.02451	14.2
Cold CO	32.64	0.4218	0.02526	-26.93	0.1042	0.02492	N/A
US06	29.67	0.3834	0.02296	2.86	0.0481	0.02451	N/A

Emission Control Device Comments	CAC/DFI/AIR/TC/WR-HO2S/TWC(2)/GPF/HO2S
Manufacturer Test Vehicle Comments	Tiguan 4Motion EVAP EDV - ETW 4250

Test #	SVGA10088731	Test Procedure	23 - 2-day evap
Exhaust Test # for this Evap Test	SVGA10088728	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	11/06/2024	Fuel	Gasoline
Fuel Batch ID	WB0027	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	4453	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)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.205	--

Manufacturer Test Comments	MY25 Tiguan Evap EDV: 2-Day Evap tested as Tiguan 4Motion ETW 4250
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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	0.205	0.0512	0.256	0.3	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.205	0.0512	0.256	0.3	Pass

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	SVGA10088732	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	SVGA10088729	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	11/21/2024	Fuel	Gasoline
Fuel Batch ID	WB0029	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	4515	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)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.195	--

Manufacturer Test CommentsMY25 Tiguan Evap EDV: 3-Day Evap tested as Tiguan 4Motion ETW 4250

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	0.195	0	0.195	0.3	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.195	0	0.195	0.3	Pass

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	SVGA10088733	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	SVGA10088729	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	11/21/2024	Fuel	Gasoline
Fuel Batch ID	WB0029	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	4515	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)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.003	--

Manufacturer Test CommentsMY25 Tiguan Evap EDV: Running Loss Evap tested as Tiguan 4Motion ETW 4250

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	0.003	0	0	0.05	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.003	0	0	0.05	Pass

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Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP						
Test #	SVGA10088734	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	SVGA10088730	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	11/28/2024	Fuel	Gasoline						
Fuel Batch ID	WB0029	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	4551	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"> <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>0.017</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)	0.017	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.017	--							
Manufacturer Test Comments									
MY25 Tiguan Evap EDV: ORVR Evap tested as Tiguan 4Motion ETW 4250									
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	0.017	0.009	0.03	0.2	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.017	0.009	0.03	0.2	Pass	

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP						
Test #	SVGA10088735	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	11/29/2024	Fuel	N/A						
Fuel Batch ID	WB0029	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	4000	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>0.0055</td><td>--</td></tr></table>			Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0055	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0055	--							
Manufacturer Test Comments	MY25 Tiguan Evap EDV: BETP								

Certification Summary Information Report

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP						
Emission Data Vehicle Information									
Vehicle ID / Configuration	VW33636-0404 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TVGAJ02.0V3G	Original Evaporative/Refueling Family	TVGAR0157VEP						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	Tiguan SEL 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	--	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						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	DYKA	Rated Horsepower	268						
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	Liquid	Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4032	Equivalent Test Weight (pounds)	4250						
GVWR (lbs)	5159	N/V Ratio	26.7						
Axle Ratio	3.32								
Transmission Type	Semi-Automatic	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

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Test Group	VVG AJ02.0V3G			Evaporative/Refueling Family			VVGAR0157VEP
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	29.67	0.3834	0.02324	7.01	-0.081	0.02574	14.3
Cold CO	32.64	0.4218	0.02556	-10.84	-0.305	0.02952	N/A
US06	29.67	0.3834	0.02324	7.01	-0.081	0.02574	N/A
Emission Control Device Comments	CAC/DFI/AIR/TC/WR-HO2S/TWC(2)/GPF/HO2S						
Manufacturer Test Vehicle Comments	MY26 VW Tiguan SEL 4Motion_PC2						

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Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	TVGA10091273	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	05/06/2025	Fuel	Gasoline
Fuel Batch ID	WB0034	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4409	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)	366.7019052	--
FE BAG 1 (Bag 1 Fuel Economy)	23.8371878	23.8371878
CO2 BAG 2 (Bag 2 Carbon Dioxide)	396.1199088	--
FE BAG 2 (Bag 2 Fuel Economy)	22.1183973	22.1183973
CO2 BAG 3 (Bag 3 Carbon Dioxide)	333.1921444	--
FE BAG 3 (Bag 3 Fuel Economy)	26.2899148	26.2899148
METHANE (CH4 - Methane)	0.0017688	--
CO (Carbon Monoxide)	0.1222939	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.8757269	--
DT-EER (Drive Trace Energy Economy Rating)	-0.370437	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.252745	--
MFR FE (Manufacturer Fuel Economy)	23.5	23.5
NOX (Nitrogen Oxide)	0.0087087	--
N2O (Nitrous Oxide)	0.0010914	--
HC-NM (Non-methane Hydrocarbon)	0.0039081	--
NMOG (Non-methane organic gases)	0.0043	--
PM (Particulate Matter)	0.0001113	--
HC-TOTAL (Total Hydrocarbon)	0.0055378	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	373	999

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Test Group		VVG AJ02.0V3G			Evaporative/Refueling Family				VVG AR0157VEP																					
<table><tr><td colspan="2">Test Result Name</td><td colspan="4">Unrounded Test Result</td><td colspan="3">Verify Calculated CO2</td></tr><tr><td colspan="2">Carbon dioxide</td><td colspan="4">372.7342093</td><td colspan="3">--</td></tr></table>													Test Result Name		Unrounded Test Result				Verify Calculated CO2			Carbon dioxide		372.7342093				--		
Test Result Name		Unrounded Test Result				Verify Calculated CO2																								
Carbon dioxide		372.7342093				--																								
Manufacturer Test Comments		MY26 VW Tiguan SEL 4Motion PC2_FTP Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3																												
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail																		
Fed	120,000 miles	Federal Tier 4 Bin 30	CREE	999	--	--	--	0.185	--	999	--	--																		
Fed	120,000 miles	Federal Tier 4 Bin 30	METHANE	0.0018	--	--	--	0.0013	--	0.003	0.030	Pass																		
Fed	120,000 miles	Federal Tier 4 Bin 30	N2O	0.0011	--	--	--	0.0008	--	0.002	0.010	Pass																		
Fed	150,000 miles	Federal Tier 4 Bin 30	CO	0.12	--	--	--	0.13	--	0.2	1.0	Pass																		
Fed	150,000 miles	Federal Tier 4 Bin 30	CO-COMP	0.28	--	--	--	--	--	0.3	4.2	Pass																		
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG	0.0043	--	1.1019	--	0.0033	--	0.008	99.000	Pass																		
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.013	--	--	--	--	--	0.016	0.030	Pass																		
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX-COMP	0.0141	--	--	--	--	--	0.014	0.040	Pass																		
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.0087	--	--	--	0	--	0.009	99.000	Pass																		
Fed	150,000 miles	Federal Tier 4 Bin 30	PM	0.0001	--	--	--	0	--	0	0.003	Pass																		
CA	150,000 miles	California LEV-IV SULEV30	CO	0.12	--	--	--	0.13	--	0.2	1.0	Pass																		
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0043	--	1.1019	--	0.0033	--	0.008	99.000	Pass																		
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.013	--	--	--	--	--	0.016	0.030	Pass																		
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0087	--	--	--	0	--	0.009	99.000	Pass																		
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0001	--	--	--	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	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	TVGA10091275	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	05/08/2025	Fuel	Gasoline
Fuel Batch ID	WB0026	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4465	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)	488.8668863	--
FE BAG 1 (Bag 1 Fuel Economy)	17.5441933	17.5441933
CO2 BAG 2 (Bag 2 Carbon Dioxide)	429.6245197	--
FE BAG 2 (Bag 2 Fuel Economy)	20.0739069	20.0739069
CO2 BAG 3 (Bag 3 Carbon Dioxide)	365.0209453	--
FE BAG 3 (Bag 3 Fuel Economy)	23.6183209	23.6183209
METHANE (CH4 - Methane)	0.0049495	--
CO (Carbon Monoxide)	0.269773	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.939535	--
DT-EER (Drive Trace Energy Economy Rating)	2.184774	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.362761	--
NOX (Nitrogen Oxide)	0.0363251	--
N2O (Nitrous Oxide)	0.0010617	--
HC-NM (Non-methane Hydrocarbon)	0.0587265	--
NMOG (Non-methane organic gases)	0.0645	--
PM (Particulate Matter)	0.00014	--
HC-TOTAL (Total Hydrocarbon)	0.0634026	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	425	--

Certification Summary Information Report

Test Group		VVG AJ02.0V3G				Evaporative/Refueling Family				VVG AR0157VEP			
		Test Result Name		Unrounded Test Result				Verify Calculated CO2					
		Carbon dioxide		424.1707747				--					
Manufacturer Test Comments		MY26 VW Tiguan SEL 4Motion PC2_COLDCO Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3											
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail	
Fed	50,000 miles	Federal Tier 4 Bin 30	CO	0.27	--	--	--	0.05	--	0.3	12.5	Pass	
Fed	120,000 miles	Federal Tier 4 Bin 30	HC-NM	0.06	--	--	--	0.0023	--	0.1	0.3	Pass	
CA	50,000 miles	California LEV-IV SULEV30	CO	0.27	--	--	--	0.05	--	0.3	12.5	Pass	

Certification Summary Information Report

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	TVGA10091276	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	05/15/2025	Fuel	Gasoline
Fuel Batch ID	WB0034	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4518	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)	405.068988	--
FE BAG 1 (Bag 1 Fuel Economy)	21.5291889	21.5291889
CO2 BAG 2 (Bag 2 Carbon Dioxide)	401.9421935	--
FE BAG 2 (Bag 2 Fuel Economy)	21.7984421	21.7984421
CO2 BAG 3 (Bag 3 Carbon Dioxide)	348.3056548	--
FE BAG 3 (Bag 3 Fuel Economy)	25.1522297	25.1522297
METHANE (CH4 - Methane)	0.0026084	--
CO (Carbon Monoxide)	0.2421062	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.725245	--
DT-EER (Drive Trace Energy Economy Rating)	0.7874422	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.343992	--
MFR FE (Manufacturer Fuel Economy)	22.6	22.6
NOX (Nitrogen Oxide)	0.0058189	--
N2O (Nitrous Oxide)	0.0007624	--
HC-NM (Non-methane Hydrocarbon)	0.0069277	--
NMOG (Non-methane organic gases)	0.0076	--
PM (Particulate Matter)	0.0000491	--
HC-TOTAL (Total Hydrocarbon)	0.0093856	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	388	--

Certification Summary Information Report

Test Group		VVGAJ02.0V3G				Evaporative/Refueling Family				VVGAR0157VEP			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2						
		Carbon dioxide		387.8589851			--						
Manufacturer Test Comments		MY26 VW Tiguan SEL 4Motion PC2_50FTP Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3											
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail	
CA	4,000 miles	California LEV-IV SULEV30	CO	0.24	--	--	--	--	--	0.2	1.0	Pass	
CA	4,000 miles	California LEV-IV SULEV30	NMOG	0.0076	--	1.1019	--	--	--	0.008	99.999	Pass	
CA	4,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0134	--	--	--	--	--	0.013	0.060	Pass	
CA	4,000 miles	California LEV-IV SULEV30	NOX	0.0058	--	--	--	--	--	0.006	99.999	Pass	

Certification Summary Information Report

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	TVGA10091278	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	05/13/2025	Fuel	Gasoline
Fuel Batch ID	WB0034	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4483	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)	368.0305796	--
FE BAG 1 (Bag 1 Fuel Economy)	23.6738102	23.6738102
CO2 BAG 2 (Bag 2 Carbon Dioxide)	385.6858879	--
FE BAG 2 (Bag 2 Fuel Economy)	22.7172415	22.7172415
CO2 BAG 3 (Bag 3 Carbon Dioxide)	331.8147069	--
FE BAG 3 (Bag 3 Fuel Economy)	26.4033193	26.4033193
METHANE (CH4 - Methane)	0.0030616	--
CO (Carbon Monoxide)	0.2555357	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.354704	--
DT-EER (Drive Trace Energy Economy Rating)	-1.162252	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.351254	--
MFR FE (Manufacturer Fuel Economy)	23.8	23.8
NOX (Nitrogen Oxide)	0.0106258	--
N2O (Nitrous Oxide)	0.0004209	--
HC-NM (Non-methane Hydrocarbon)	0.0098054	--
NMOG (Non-methane organic gases)	0.0108	--
PM (Particulate Matter)	0.0000189	--
HC-TOTAL (Total Hydrocarbon)	0.0127377	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	367	--

Certification Summary Information Report

Test Group		VVG AJ02.0V3G				Evaporative/Refueling Family				VVG AR0157VEP		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		367.2127109			--					
Manufacturer Test Comments		MY26 VW Tiguan SEL 4Motion PC2_Quick Drive-Away Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0108	--	1.1019	--	0.0033	--	0.014	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0214	--	--	--	--	--	0.025	0.042	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0106	--	--	--	0	--	0.011	99.000	Pass

Certification Summary Information Report

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	TVGA10091274	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	05/06/2025	Fuel	Gasoline
Fuel Batch ID	WB0034	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	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

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0.0350599	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	5.856492	--
DT-EER (Drive Trace Energy Economy Rating)	-0.1575998	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	7.477462	--
MFR FE (Manufacturer Fuel Economy)	36.5	36.5
NOX (Nitrogen Oxide)	0.001108	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.000623	--
NMOG (Non-methane organic gases)	0.0006	--
PM (Particulate Matter)	0	--
HC-TOTAL (Total Hydrocarbon)	0.0005528	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	240	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	240.2940495	--

Manufacturer Test Comments

MY26 VW Tiguan SEL 4Motion PC2_HWY Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3

Certification Summary Information Report

Test Group		VVG AJ02.0V3G			Evaporative/Refueling Family					VVG AR0157VEP		
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 30	CREE	999	--	--	--	0.185	--	999	--	--
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG	0.0006	--	1.03	--	0.0033	--	0.004	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.0017	--	--	--	--	--	0.005	0.030	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.0011	--	--	--	0	--	0.001	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0006	--	1.03	--	0.0033	--	0.004	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0017	--	--	--	--	--	0.005	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0011	--	--	--	0	--	0.001	99.000	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	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	TVGA10091279	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	05/13/2025	Fuel	Gasoline
Fuel Batch ID	WB0034	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4494	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)	530.6473878	--
FE BAG 1 (Bag 1 Fuel Economy)	16.4958858	16.4958858
CO2 BAG 2 (Bag 2 Carbon Dioxide)	286.7879976	--
FE BAG 2 (Bag 2 Fuel Economy)	30.5284314	30.5284314
METHANE (CH4 - Methane)	0.0017608	--
CO (Carbon Monoxide)	0.1672376	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-4.841586	--
DT-EER (Drive Trace Energy Economy Rating)	-2.312009	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-8.070312	--
MFR FE (Manufacturer Fuel Economy)	25.7	25.7
NOX (Nitrogen Oxide)	0.0056986	--
N2O (Nitrous Oxide)	0.0001143	--
HC-NM (Non-methane Hydrocarbon)	0.0039446	--
NMOG (Non-methane organic gases)	0.0041	--
PM (Particulate Matter)	0	--
HC-TOTAL (Total Hydrocarbon)	0.005671	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	341	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	340.776178	--

Certification Summary Information Report

Test Group		VVGAJ02.0V3G		Evaporative/Refueling Family				VVGAR0157VEP				
Manufacturer Test Comments		MY26 VW Tiguan SEL 4Motion PC2_US06 Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 30	CO	0.17	--	--	--	0.13	--	0.3	99.0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG	0.0041	--	1.03	--	0.0033	--	0.007	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.0057	--	--	--	0	--	0.006	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	PM	0	--	--	--	0	--	0	0.006	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.17	--	--	--	0.13	--	0.3	9.6	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0041	--	1.03	--	0.0033	--	0.007	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0098	--	--	--	--	--	0.013	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0057	--	--	--	0	--	0.006	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0	--	--	--	0	--	0	0.003	Pass

Certification Summary Information Report

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Test #	TVGA10091277	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	05/28/2025	Fuel	Gasoline
Fuel Batch ID	IG0051	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4610	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)	0.0027797	--
CO (Carbon Monoxide)	0.1737372	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.188299	--
DT-EER (Drive Trace Energy Economy Rating)	0.8848916	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.969939	--
MFR FE (Manufacturer Fuel Economy)	18.4	18.4
NOX (Nitrogen Oxide)	0.0079893	--
N2O (Nitrous Oxide)	0.0000235	--
HC-NM (Non-methane Hydrocarbon)	0.0013675	--
NMOG (Non-methane organic gases)	0.0014	--
HC-TOTAL (Total Hydrocarbon)	0.0040436	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	471	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	471.1616883	--

Manufacturer Test Comments

MY26 VW Tiguan SEL 4Motion PC2_SC03 Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3

Certification Summary Information Report

Test Group		VVG AJ02.0V3G				Evaporative/Refueling Family				VVG AR0157VEP		
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 30	CO	0.17	--	--	--	0.13	--	0.3	99.0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG	0.0014	--	1.03	--	0.0033	--	0.005	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.008	--	--	--	0	--	0.008	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.17	--	--	--	0.13	--	0.3	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0014	--	1.03	--	0.0033	--	0.005	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0094	--	--	--	--	--	0.013	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.008	--	--	--	0	--	0.008	99.000	Pass

Certification Summary Information Report

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
Fuel Properties			
Fuel Batch ID	WB0029	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	09/17/2024
Fuel Batch Calibration Effective Date	11/18/2024	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	0.751
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17889
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.822	Weight Fraction CO2	--
Fuel Batch ID	WB0034	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	03/21/2025
Fuel Batch Calibration Effective Date	01/15/2025	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	0.753
Fuel Ethanol Volume Percent (%)	10.1	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17818
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	WB0026	Fuel Calibration Number	1
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	--
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)	17829
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	WB0027	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	05/03/2024
Fuel Batch Calibration Effective Date	06/12/2024	Fuel Batch Calibration Ineffective Date	--

Certification Summary Information Report

Test Group	VVGAJ02.0V3G	Evaporative/Refueling Family	VVGAR0157VEP
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 (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17969
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.833	Weight Fraction CO2	--
Fuel Batch ID	IG0051	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	11/04/2024
Fuel Batch Calibration Effective Date	11/11/2024	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	0.751
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17893
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.826	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VVG AJ02.0V3G			Evaporative/Refueling Family		VVGAR0157VEP		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code		Both		
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level		California LEV-IV SULEV30		
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	--	--	--	--	--	--	--	1.0
4,000 miles	NMOG	--	--	1.1019	--	--	--	--	99.999
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.060
4,000 miles	NOX	--	--	--	--	--	--	--	99.999
Cert Region		Federal			Cert/In-Use Code		Both		
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level		Federal Tier 4 Bin 30		
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	--	--	--	--	--	--	0.185	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0013	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0008	0.010
150,000 miles	CO	--	--	--	--	--	--	0.13	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.1019	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.040
150,000 miles	NOX	--	--	--	--	--	--	0	99.000
150,000 miles	PM	--	--	--	--	--	--	0	0.003

Certification Summary Information Report

Test Group		VVGAJ02.0V3G			Evaporative/Refueling Family			VVGAR0157VEP	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV SULEV30	
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	--	--	--	--	--	--	0.13	1.0
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	99.000

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV SULEV30	
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	--	--	--	--	--	--	0.13	1.0
150,000 miles	NMOG	--	--	1.1019	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	99.000
150,000 miles	PM	--	--	--	--	--	--	0	0.001

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV SULEV30	
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	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	99.000

Certification Summary Information Report

Test Group		VVGAJ02.0V3G			Evaporative/Refueling Family			VVGAR0157VEP	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 4 Bin 30	
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	--	--	--	--	--	--	0.13	99.0
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0033	99.000
150,000 miles	NOX	--	--	--	--	--	--	0	99.000
150,000 miles	PM	--	--	--	--	--	--	0	0.006

Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 4 Bin 30	
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	--	--	--	--	--	--	0.185	999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	99.000

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV SULEV30	
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	--	--	--	--	--	--	0.13	9.6
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	99.000
150,000 miles	PM	--	--	--	--	--	--	0	0.003

Certification Summary Information Report

Test Group		VVGAJ02.0V3G			Evaporative/Refueling Family			VVGAR0157VEP	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV SULEV30	
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	--	--	--	--	--	--	0.05	12.5
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV SULEV30	
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	--	--	1.1019	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.042
150,000 miles	NOX	--	--	--	--	--	--	0	99.000
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 4 Bin 30	
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	--	--	--	--	--	--	0.13	99.0
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0033	99.000
150,000 miles	NOX	--	--	--	--	--	--	0	99.000
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 4 Bin 30	
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	--	--	--	--	--	--	0.05	12.5
120,000 miles	HC-NM	--	--	--	--	--	--	0.0023	0.3

Certification Summary Information Report

Test Group		VVGAJ02.0V3G		Evaporative/Refueling Family		VVGAR0157VEP	
Evaporative/Refueling Standards							
Evaporative/Refueling Family		VVGAR0157VEP		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	0.009		
Evaporative/Refueling Family		VVGAR0157VEP		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	0.009		
Evaporative/Refueling Family		VVGAR0157VEP		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		VVGAR0157VEP		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	--	0.300	0.0512		
Evaporative/Refueling Family		VVGAR0157VEP		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		

Certification Summary Information Report

Test Group		VVGAJ02.0V3G	Evaporative/Refueling Family		VVGAR0157VEP
Evaporative/Refueling Family		VVGAR0157VEP	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	--	0.300	0.0512
Evaporative/Refueling Family		VVGAR0157VEP	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	--	0.300	0
Evaporative/Refueling Family		VVGAR0157VEP	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		VVGAR0157VEP	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	--	0.300	0
Evaporative/Refueling Family		VVGAR0157VEP	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		VVG AJ02.0V3G	Evaporative/Refueling Family	VVG AR0157VEP
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		VVGAJ02.0V3G	Evaporative/Refueling Family		VVGAR0157VEP
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	

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Test Group		VVGAJ02.0V3G	Evaporative/Refueling Family		VVGAR0157VEP
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		VVGAJ02.0V3G	Evaporative/Refueling Family		VVGAR0157VEP
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	