

Certification Summary Information Report

Manufacturer	Volkswagen Group of America, Inc.	Manufacturer Code	VGA
Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Certificate Number	VVGAV02.0V3F-026	CARB Executive Order #	--
Certificate Issue Date	07/22/2026	Certificate Revision Date	--
Certificate Effective Date	07/22/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	07/08/2026 10:37:22 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	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	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	10/05/2026	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	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-26-174		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

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Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP				
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	171 - Tiguan S	Federal	2-Wheel Drive, Front	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	170 - Tiguan	Federal	2-Wheel Drive, Front	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	170 - Tiguan	California + CAA Section 177 states	2-Wheel Drive, Front	Semi-Automatic	8	Yes
Volkswagen Group of America, Inc.	1 - Volkswagen	171 - Tiguan S	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		VVGAV02.0V3F		Evaporative/Refueling Family		VVGAR0157VEP					
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		Other		Gasoline particulate filter		Ceramic		Other			
3		Three-way catalyst		Platinum + Rhodium		Ceramic		Monolith			
Mfr After Treatment Device (ATD) Comments		Applied to Engine Code DYLB									
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		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		DYLB 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	VVGA10094470	VVGA10094550	VVGA10094472	VVGA10094475	VVGA10094469	22.2	21	31.6	29.5	--	

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Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
SFTP LEV-III Official Test Numbers			
Test Group Fuel	FTP	US06	SC03
Gasoline	--	--	--

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Test Group	VVGAV02.0V3F	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						

Certification Summary Information Report

Test Group	VVGAV02.0V3F	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

Certification Summary Information Report

Test Group	VVGAV02.0V3F	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 Comments

MY25 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

Certification Summary Information Report

Test Group	VVGAV02.0V3F	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 Comments

MY25 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	VVGAV02.0V3F	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		VVGAV02.0V3F	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		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		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									
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 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	0.0055	0	0.006	0.02	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.0055	0	0.006	0.02	Pass	

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Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP						
Emission Data Vehicle Information									
Vehicle ID / Configuration	VW336370125 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	VVGAV02.0V3F	Original Evaporative/Refueling Family	VVGAR0157VEP						
Original Test Vehicle Model Year	2027								
Vehicle Model									
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	Tiguan						
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	DYLB	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	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3704	Equivalent Test Weight (pounds)	4000						
GVWR (lbs)	4762	N/V Ratio	28.7						
Axle Ratio	3.65								
Transmission Type	Semi-Automatic	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

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Test Group		VVGAV02.0V3F			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	21.12	0.2639	0.0233	8.5	0.0826	0.02436	
Cold CO	23.24	0.2902	0.02563	3.6	0.0611	0.02667	
US06	21.12	0.2639	0.0233	8.5	0.0826	0.02436	N/A
Emission Control Device Comments		--					
Manufacturer Test Vehicle Comments		MY27 VW Tiguan FWD EDV					

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Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094470	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	04/28/2026	Fuel	Gasoline
Fuel Batch ID	WB0038	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	4511	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

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Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	306.0100024	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.43	--	
FE BAG 1 (Bag 1 Fuel Economy)	28.2064233	28.2064233	
CH4 BAG 1 (Bag 1 Methane)	0.0081	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0172	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	333.5713058	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.01	--	
FE BAG 2 (Bag 2 Fuel Economy)	25.9379465	25.9379465	
CH4 BAG 2 (Bag 2 Methane)	0.0007	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	273.9818037	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.04	--	
FE BAG 3 (Bag 3 Fuel Economy)	31.5731783	31.5731783	
CH4 BAG 3 (Bag 3 Methane)	0.0023	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0001	--	
METHANE (CH4 - Methane)	0.0026762	--	
CO (Carbon Monoxide)	0.1041053	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.5431052	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.2979413	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.6578307	--	
MFR FE (Manufacturer Fuel Economy)	27.7	27.7	
NOX (Nitrogen Oxide)	0.0085657	--	
N2O (Nitrous Oxide)	0.0010875	--	
HC-NM (Non-methane Hydrocarbon)	0.0032479	--	
NMOG (Non-methane organic gases)	0.0036	--	
PM (Particulate Matter)	0.0000603	--	
HC-TOTAL (Total Hydrocarbon)	0.0058351	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	312	312	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	311.506073	--	

Manufacturer Test Comments

MY27 VW Tiguan_FTP Tested as Tiguan EDV ETW: 4000 RLHP: 12.3

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Test Group		VVGAV02.0V3F			Evaporative/Refueling Family					VVGAR0157VEP		
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	312	--	--	--	0.185	--	312	--	--
Fed	120,000 miles	Federal Tier 4 Bin 30	METHANE	0.0027	--	--	--	0.0013	--	0.004	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	0.1	--	--	--	0.13	--	0.2	1.7	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG	0.0036	--	1.0984	--	0.0033	--	0.007	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.0122	--	--	--	--	--	0.016	0.030	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.0086	--	--	--	0	--	0.009	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	PM	0.00006	--	--	--	0	--	0.0001	0.0005	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.1	--	--	--	0.13	--	0.2	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0036	--	1.0984	--	0.0033	--	0.007	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0122	--	--	--	--	--	0.016	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0086	--	--	--	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	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094474	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	04/30/2026	Fuel	Gasoline
Fuel Batch ID	WB0038	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	4573	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP																																																																																	
	<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>327.3882062</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.54</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>26.3520944</td><td>26.3520944</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.011</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0288</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>341.0216029</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>25.3720539</td><td>25.3720539</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0009</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0007</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>283.5866905</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.06</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>30.5004557</td><td>30.5004557</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0021</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0004</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0033028</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.127609</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>0.2541083</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-0.5836941</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>0.1586327</td><td>--</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0060631</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0007278</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0058608</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0064</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0000439</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0090836</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)	327.3882062	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.54	--	FE BAG 1 (Bag 1 Fuel Economy)	26.3520944	26.3520944	CH4 BAG 1 (Bag 1 Methane)	0.011	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0288	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	341.0216029	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0	--	FE BAG 2 (Bag 2 Fuel Economy)	25.3720539	25.3720539	CH4 BAG 2 (Bag 2 Methane)	0.0009	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0007	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	283.5866905	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.06	--	FE BAG 3 (Bag 3 Fuel Economy)	30.5004557	30.5004557	CH4 BAG 3 (Bag 3 Methane)	0.0021	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0004	--	METHANE (CH4 - Methane)	0.0033028	--	CO (Carbon Monoxide)	0.127609	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.2541083	--	DT-EER (Drive Trace Energy Economy Rating)	-0.5836941	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.1586327	--	NOX (Nitrogen Oxide)	0.0060631	--	N2O (Nitrous Oxide)	0.0007278	--	HC-NM (Non-methane Hydrocarbon)	0.0058608	--	NMOG (Non-methane organic gases)	0.0064	--	PM (Particulate Matter)	0.0000439	--	HC-TOTAL (Total Hydrocarbon)	0.0090836	--		
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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>322.4587855</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	322.4587855	--																																																																												
	Test Result Name	Unrounded Test Result	Verify Calculated CO2																																																																																	
	Carbon dioxide	322.4587855	--																																																																																	
	Manufacturer Test Comments	MY27 VW Tiguan_50FTP Tested as Tiguan EDV ETW: 4000 RLHP: 12.3																																																																																		

Certification Summary Information Report

Test Group		VVGAV02.0V3F				Evaporative/Refueling Family				VVGAR0157VEP		
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	0.13	--	--	--	--	--	0.1	1.0	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG	0.0064	--	1.0984	--	--	--	0.006	99.999	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0125	--	--	--	--	--	0.012	0.060	Pass
CA	4,000 miles	California LEV-IV SULEV30	NOX	0.0061	--	--	--	--	--	0.006	99.999	Pass

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094475	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	05/21/2026	Fuel	Gasoline
Fuel Batch ID	WB0040	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	4778	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP																																																																																	
	<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>414.4197594</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>1.11</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>20.7273679</td><td>20.7273679</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0228</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.2877</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>367.3047654</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.01</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>23.5311972</td><td>23.5311972</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0004</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>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>314.8382198</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.12</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>27.4380706</td><td>27.4380706</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0019</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0006</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0054651</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.2692561</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>2.800874</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>1.243142</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>3.952742</td><td>--</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0276748</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0010485</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0551891</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0606</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0001095</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0605219</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)	414.4197594	--	CO BAG 1 (Bag 1 Carbon Monoxide)	1.11	--	FE BAG 1 (Bag 1 Fuel Economy)	20.7273679	20.7273679	CH4 BAG 1 (Bag 1 Methane)	0.0228	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.2877	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	367.3047654	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.01	--	FE BAG 2 (Bag 2 Fuel Economy)	23.5311972	23.5311972	CH4 BAG 2 (Bag 2 Methane)	0.0004	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0016	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	314.8382198	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.12	--	FE BAG 3 (Bag 3 Fuel Economy)	27.4380706	27.4380706	CH4 BAG 3 (Bag 3 Methane)	0.0019	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0006	--	METHANE (CH4 - Methane)	0.0054651	--	CO (Carbon Monoxide)	0.2692561	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.800874	--	DT-EER (Drive Trace Energy Economy Rating)	1.243142	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.952742	--	NOX (Nitrogen Oxide)	0.0276748	--	N2O (Nitrous Oxide)	0.0010485	--	HC-NM (Non-methane Hydrocarbon)	0.0551891	--	NMOG (Non-methane organic gases)	0.0606	--	PM (Particulate Matter)	0.0001095	--	HC-TOTAL (Total Hydrocarbon)	0.0605219	--		
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Carbon dioxide	362.6898106	--																																																																																		
Manufacturer Test Comments	MY27 VW Tiguan_COLDSCO Tested as Tiguan EDV ETW: 4000 RLHP: 12.3																																																																																			

Certification Summary Information Report

Test Group		VVGAV02.0V3F			Evaporative/Refueling Family					VVGAR0157VEP		
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	0.27	--	--	--	0.13	--	0.4	10.0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	PM	0.00011	--	--	--	0	--	0.0001	0.0005	Pass
CA	50,000 miles	California LEV-IV SULEV30	CO	0.27	--	--	--	0.05	--	0.3	10.0	Pass

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094476	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	05/05/2026	Fuel	Gasoline
Fuel Batch ID	WB0038	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	4593	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP																																																																																	
	<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>303.8365833</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>1</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>28.3186717</td><td>28.3186717</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0137</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0368</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>331.8571935</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.01</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>26.0718222</td><td>26.0718222</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.001</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>276.1093564</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.04</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>31.3292129</td><td>31.3292129</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0023</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0014</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0039756</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.2217581</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>0.5881282</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>0.0334372</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>0.810503</td><td>--</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.003</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0008869</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0072616</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0127</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0006173</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0110954</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)	303.8365833	--	CO BAG 1 (Bag 1 Carbon Monoxide)	1	--	FE BAG 1 (Bag 1 Fuel Economy)	28.3186717	28.3186717	CH4 BAG 1 (Bag 1 Methane)	0.0137	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0368	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	331.8571935	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.01	--	FE BAG 2 (Bag 2 Fuel Economy)	26.0718222	26.0718222	CH4 BAG 2 (Bag 2 Methane)	0.001	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	276.1093564	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.04	--	FE BAG 3 (Bag 3 Fuel Economy)	31.3292129	31.3292129	CH4 BAG 3 (Bag 3 Methane)	0.0023	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0014	--	METHANE (CH4 - Methane)	0.0039756	--	CO (Carbon Monoxide)	0.2217581	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.5881282	--	DT-EER (Drive Trace Energy Economy Rating)	0.0334372	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.810503	--	NOX (Nitrogen Oxide)	0.003	--	N2O (Nitrous Oxide)	0.0008869	--	HC-NM (Non-methane Hydrocarbon)	0.0072616	--	NMOG (Non-methane organic gases)	0.0127	--	PM (Particulate Matter)	0.0006173	--	HC-TOTAL (Total Hydrocarbon)	0.0110954	--		
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	Carbon dioxide	310.750647	--																																																																																	
	Manufacturer Test Comments	MY27 VW Tiguan_Quick Drive-Away_Tested as Tiguan EDV ETW: 4000 RLHP: 12.3																																																																																		

Certification Summary Information Report

Test Group		VVGAV02.0V3F			Evaporative/Refueling Family					VVGAR0157VEP		
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	NMOG	0.0127	--	1.0984	--	0.0033	--	0.016	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.0157	--	--	--	--	--	0.019	0.042	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.003	--	--	--	0	--	0.003	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0127	--	1.0984	--	0.0033	--	0.016	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0157	--	--	--	--	--	0.019	0.042	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.003	--	--	--	0	--	0.003	99.000	Pass

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094477	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	05/12/2026	Fuel	Gasoline
Fuel Batch ID	WB0038	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	4667	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP	
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	273.9618478	--	
	CO BAG 1 (Bag 1 Carbon Monoxide)	0.22	--	
	FE BAG 1 (Bag 1 Fuel Economy)	31.5395297	31.5395297	
	CH4 BAG 1 (Bag 1 Methane)	0.0065	--	
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0076	--	
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	334.1202531	--	
	CO BAG 2 (Bag 2 Carbon Monoxide)	0	--	
	FE BAG 2 (Bag 2 Fuel Economy)	25.8962766	25.8962766	
	CH4 BAG 2 (Bag 2 Methane)	0.0005	--	
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0007	--	
	CO2 BAG 3 (Bag 3 Carbon Dioxide)	273.2136638	--	
	CO BAG 3 (Bag 3 Carbon Monoxide)	0.07	--	
	FE BAG 3 (Bag 3 Fuel Economy)	31.6562086	31.6562086	
	CH4 BAG 3 (Bag 3 Methane)	0.0029	--	
	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0006	--	
	METHANE (CH4 - Methane)	0.0024075	--	
	CO (Carbon Monoxide)	0.0627718	--	
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.7584099	--	
	DT-EER (Drive Trace Energy Economy Rating)	-0.3183572	--	
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.8587481	--	
	NOX (Nitrogen Oxide)	0.0023	--	
	N2O (Nitrous Oxide)	0.0022642	--	
	HC-NM (Non-methane Hydrocarbon)	0.0018989	--	
	NMOG (Non-methane organic gases)	0.0061	--	
	HC-TOTAL (Total Hydrocarbon)	0.0042482	--	
		Test Result Name	Unrounded Test Result	Verify Calculated CO2
		Carbon dioxide	304.9724583	--
	Manufacturer Test Comments MY27 VW Tiguan_Partial Soak 40min_Tested as Tiguan EDV ETW: 4000 RLHP: 12.3			

Certification Summary Information Report

Test Group		VVGAV02.0V3F				Evaporative/Refueling Family				VVGAR0157VEP		
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	NMOG	0.0061	--	1.0984	--	0.0033	--	0.009	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.0084	--	--	--	--	--	0.012	0.023	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.0023	--	--	--	0	--	0.002	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0061	--	1.0984	--	0.0033	--	0.009	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0084	--	--	--	--	--	0.012	0.023	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0023	--	--	--	0	--	0.002	99.000	Pass

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094755	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	07/07/2026	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	5086	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP																																																																														
	<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>281.5426627</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.08</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>30.9069183</td><td>30.9069183</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0024</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0006</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>339.1462344</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>25.6690721</td><td>25.6690721</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0004</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.001</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>280.200148</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.08</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>31.0555439</td><td>31.0555439</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0032</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.001574</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.0391875</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>1.394346</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>0.547781</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>1.895211</td><td>--</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0065</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0000527</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0005857</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0009</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.002111</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)	281.5426627	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.08	--	FE BAG 1 (Bag 1 Fuel Economy)	30.9069183	30.9069183	CH4 BAG 1 (Bag 1 Methane)	0.0024	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0006	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	339.1462344	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0	--	FE BAG 2 (Bag 2 Fuel Economy)	25.6690721	25.6690721	CH4 BAG 2 (Bag 2 Methane)	0.0004	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.001	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	280.200148	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.08	--	FE BAG 3 (Bag 3 Fuel Economy)	31.0555439	31.0555439	CH4 BAG 3 (Bag 3 Methane)	0.0032	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	METHANE (CH4 - Methane)	0.001574	--	CO (Carbon Monoxide)	0.0391875	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.394346	--	DT-EER (Drive Trace Energy Economy Rating)	0.547781	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.895211	--	NOX (Nitrogen Oxide)	0.0065	--	N2O (Nitrous Oxide)	0.0000527	--	HC-NM (Non-methane Hydrocarbon)	0.0005857	--	NMOG (Non-methane organic gases)	0.0009	--	HC-TOTAL (Total Hydrocarbon)	0.002111	--		
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	Carbon dioxide	311.0136138	--																																																																														
Manufacturer Test Comments	MY27 VW Tiguan_Partial Soak 10min_Tested as Tiguan EDV ETW: 4000 RLHP: 12.3																																																																																

Certification Summary Information Report

Test Group		VVGAV02.0V3F			Evaporative/Refueling Family					VVGAR0157VEP		
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	NMOG	0.0009	--	1.0984	--	0.0033	--	0.004	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.0074	--	--	--	--	--	0.011	0.015	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.0065	--	--	--	0	--	0.006	99.000	Pass

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094756	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	07/07/2026	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	5101	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	288.0469874	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.4	--	
CH4 BAG 1 (Bag 1 Methane)	0.0055	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0097	--	
METHANE (CH4 - Methane)	0.0054808	--	
CO (Carbon Monoxide)	0.4039976	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.0690834	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.1900211	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.324498	--	
NOX (Nitrogen Oxide)	0.0035	--	
N2O (Nitrous Oxide)	0.0068926	--	
HC-NM (Non-methane Hydrocarbon)	0.0087535	--	
NMOG (Non-methane organic gases)	0.0058	--	
HC-TOTAL (Total Hydrocarbon)	0.0141074	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	288.0469874	--	
Manufacturer Test Comments			
MY27 VW Tiguan_Partial Soak 3h+_Tested as Tiguan EDV ETW: 4000 RLHP: 12.3			

Certification Summary Information Report

Test Group		VVGAV02.0V3F				Evaporative/Refueling Family				VVGAR0157VEP		
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	NMOG	0.0058	--	1.0984	--	0.0033	--	0.009	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.0093	--	--	--	--	--	0.013	0.030	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.0035	--	--	--	0	--	0.004	99.000	Pass

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094469	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	04/28/2026	Fuel	Gasoline
Fuel Batch ID	WB0038	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	4522	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
METHANE (CH4 - Methane)	0.0002219	--	
CO (Carbon Monoxide)	0.033276	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.887435	--	
DT-EER (Drive Trace Energy Economy Rating)	0.4161489	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.63272	--	
MFR FE (Manufacturer Fuel Economy)	44.6	44.6	
NOX (Nitrogen Oxide)	0.0010855	--	
N2O (Nitrous Oxide)	0	--	
HC-NM (Non-methane Hydrocarbon)	0.0003034	--	
NMOG (Non-methane organic gases)	0.0003	--	
PM (Particulate Matter)	0.0000214	--	
HC-TOTAL (Total Hydrocarbon)	0.0005232	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	194	194	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	194.3815573	--	
Manufacturer Test Comments	MY27 VW Tiguan_HWY Tested as Tiguan EDV ETW: 4000 RLHP: 12.3		

Certification Summary Information Report

Test Group		VVGAV02.0V3F			Evaporative/Refueling Family					VVGAR0157VEP		
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	194	--	--	--	0.185	--	194	--	--
Fed	150,000 miles	Federal Tier 4 Bin 30	CO	0.03	--	--	--	0.13	--	0.2	1.7	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG	0.0003	--	1.03	--	0.0033	--	0.004	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.0014	--	--	--	--	--	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	0.0003	--	1.03	--	0.0033	--	0.004	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0014	--	--	--	--	--	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	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094550	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	06/10/2026	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	5015	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	470.1904492	--
CO BAG 1 (Bag 1 Carbon Monoxide)	0.1	--
FE BAG 1 (Bag 1 Fuel Economy)	18.5077941	18.5077941
CH4 BAG 1 (Bag 1 Methane)	0.0051	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0087	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	255.005063	--
CO BAG 2 (Bag 2 Carbon Monoxide)	0.23	--
FE BAG 2 (Bag 2 Fuel Economy)	34.0836128	34.0836128
CH4 BAG 2 (Bag 2 Methane)	0.0054	--
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0146	--
METHANE (CH4 - Methane)	0.0053386	--
CO (Carbon Monoxide)	0.1998395	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-4.127805	--
DT-EER (Drive Trace Energy Economy Rating)	-2.562093	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-6.644533	--
NOX (Nitrogen Oxide)	0.0105426	--
N2O (Nitrous Oxide)	0.0008854	--
HC-NM (Non-methane Hydrocarbon)	0.0129432	--
NMOG (Non-methane organic gases)	0.0133	--
PM (Particulate Matter)	0.0001983	--
HC-TOTAL (Total Hydrocarbon)	0.0181835	--

Certification Summary Information Report

Test Group		VVGAV02.0V3F				Evaporative/Refueling Family				VVGAR0157VEP		

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Test #	VVGA10094472	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	04/28/2026	Fuel	Gasoline
Fuel Batch ID	WB0038	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	4558	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0021869	--
CO (Carbon Monoxide)	0.0898856	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.747455	--
DT-EER (Drive Trace Energy Economy Rating)	-0.8441303	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.8886259	--
NOX (Nitrogen Oxide)	0.0076416	--
N2O (Nitrous Oxide)	0.0000785	--
HC-NM (Non-methane Hydrocarbon)	0.0020714	--
NMOG (Non-methane organic gases)	0.0021	--
PM (Particulate Matter)	0.000021	--
HC-TOTAL (Total Hydrocarbon)	0.0042053	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	380.6669877	--

Manufacturer Test Comments

MY27 VW Tiguan_SC03 Tested as Tiguan EDV ETW: 4000 RLHP: 12.3

Certification Summary Information Report

Test Group		VVGAV02.0V3F				Evaporative/Refueling Family				VVGAR0157VEP		
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	0.09	--	--	--	0.13	--	0.2	1.7	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG	0.0021	--	1.03	--	0.0033	--	0.005	99.000	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NMOG+NOX	0.0097	--	--	--	--	--	0.013	0.030	Pass
Fed	150,000 miles	Federal Tier 4 Bin 30	NOX	0.0076	--	--	--	0	--	0.008	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.09	--	--	--	0.13	--	0.2	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0021	--	1.03	--	0.0033	--	0.005	99.000	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0097	--	--	--	--	--	0.013	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0076	--	--	--	0	--	0.008	99.000	Pass

Certification Summary Information Report

Test Group	VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Fuel Properties			
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	--
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	WB0038	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	03/18/2026
Fuel Batch Calibration Effective Date	04/01/2026	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	0.75
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)	41.945	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	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

Certification Summary Information Report

Test Group		VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Fuel Batch Calibration Effective Date		06/12/2024	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	0.752
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		WB0040	Fuel Calibration Number	1
Test Fuel Type		28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	04/15/2026
Fuel Batch Calibration Effective Date		05/19/2026	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	0.739
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)		41.43	Fuel Carbon Mass Fraction (E10)	0.825
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)		--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VVGAV02.0V3F			Evaporative/Refueling Family		VVGAR0157VEP		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code		Cert		
Vehicle Class		LDV/Passenger Car			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
Cert Region		Federal			Cert/In-Use Code		Both		
Vehicle Class		LDV/Passenger Car			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	1.7
150,000 miles	NMOG	--	--	1.0984	--	--	--	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	0.0005

Certification Summary Information Report

Test Group		VVGAV02.0V3F			Evaporative/Refueling Family			VVGAR0157VEP	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	--	--	1.0984	--	--	--	--	99.999
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.060
4,000 miles	NOX	--	--	--	--	--	--	--	99.999

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			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	--	--	1.0984	--	--	--	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		LDV/Passenger Car			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
150,000 miles	CO	--	--	--	--	--	--	0.13	10.0
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.3
150,000 miles	PM	--	--	--	--	--	--	0	0.0005

Certification Summary Information Report

Test Group	VVGAV02.0V3F				Evaporative/Refueling Family			VVGAR0157VEP	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	LDV/Passenger Car				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
Cert Region	Federal				Cert/In-Use Code			Both	
Vehicle Class	LDV/Passenger Car				Standard Level			Federal Tier 4 Bin 30	
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	--	--	1.0984	--	--	--	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	LDV/Passenger Car				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	CO	--	--	--	--	--	--	0.13	1.7
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	VVGAV02.0V3F			Evaporative/Refueling Family			VVGAR0157VEP		
Cert Region	California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class	LDV/Passenger Car			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	--	--	1.0984	--	--	--	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	Federal			Cert/In-Use Code	Both				
Vehicle Class	LDV/Passenger Car			Standard Level	Federal Tier 4 Bin 30				
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	--	--	1.0984	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	99.000

Cert Region	Federal			Cert/In-Use Code	Both				
Vehicle Class	LDV/Passenger Car			Standard Level	Federal Tier 4 Bin 30				
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	--	--	1.0984	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.023
150,000 miles	NOX	--	--	--	--	--	--	0	99.000

Certification Summary Information Report

Test Group		VVGAV02.0V3F			Evaporative/Refueling Family			VVGAR0157VEP	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
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	--	--	1.0984	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.023
150,000 miles	NOX	--	--	--	--	--	--	0	99.000

Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	1.7
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		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 30	
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	--	--	1.0984	--	--	--	0.0033	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0033	0.015
150,000 miles	NOX	--	--	--	--	--	--	0	99.000

Certification Summary Information Report

Test Group		VVGAV02.0V3F			Evaporative/Refueling Family			VVGAR0157VEP	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	10.0

Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			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	1.7
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	0.0005

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

Evaporative/Refueling Standards

Certification Summary Information Report

Test Group		VVGAV02.0V3F		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		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		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		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0		

Certification Summary Information Report

Test Group		VVGAV02.0V3F		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		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	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		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		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		

Certification Summary Information Report

Test Group		VVGAV02.0V3F	Evaporative/Refueling Family	VVGAR0157VEP
Glossary				
Useful Life				
4	4,000 miles	120	120,000 miles	
50	50,000 miles	150	150,000 miles	
100	100,000 miles			
Emission Name				
HC-TOTAL	Total Hydrocarbon	COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide	LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter	LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon	KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent	CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent	CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases	CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde	CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde	CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide	CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol	NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy	NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy	NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy	NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy	ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy	ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR	ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane	ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol	HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide	HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams	HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours	HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours	WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours	WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VVGAV02.0V3F	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	

Certification Summary Information Report

Test Group		VVGAV02.0V3F	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		VVGAV02.0V3F	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	