

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	06/21/2024 12:05:33 PM				
Integrated ORVR?	Yes	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	HDPE				
Fill Pipe Seal Type	Liquid seal						
Air Intake System Vapor Storage Device?	No	Air Intake System Vapor Storage Device Description	--				
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	--				
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	139	Number of Primary Canisters	1				
Number of Bleed Canisters	2	Bleed Canister Total Working Capacity (grams)	4				
Mfr Evaporative/Refueling Family Comments	A3 quattro, S3 - LEVIII Evap FEL 275 BETP Bleeding Canister equipped						
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				
SVGAR0139ACB-001	50 State	0.02	--				
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Volkswagen Group of America, Inc.	2 - Audi	68 - A3 quattro	Federal	All Wheel Drive	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	No
Volkswagen Group of America, Inc.	2 - Audi	68 - A3 quattro	California + CAA Section 177 states	All Wheel Drive	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	No
Engine Description							
Hybrid Type	--	Hybrid Description	--				
Engine Type	4-Stroke Spark Ignition	Mfr Engine Description	--				
Engine Block Arrangement	Inline	Mfr Engine Block Arrangement Description	--				
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	0W20 VW50800				
Number of Cylinders/Rotors	4	Mechanically Variable Compression Ratio Indicator	N				

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Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB								
After Treatment Device(s) (ATD)											
ATD Number	ATD Type	ATD Precious Metal	Substrate Material								
1	Three-way catalyst	Palladium + Rhodium	Ceramic								
Substrate Construction											
Monolith											
Mfr After Treatment Device (ATD) Comments											
--											
Direct Ozone Reduction (DOR) Device											
Not Equipped											
Mfr Emission Control Device Comments											
--											
Engine Configuration Number 1											
Engine Displacement (liters)	2.0	Engine Rated Horsepower	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	Air								
Air Aspiration Drive Method(s)	Mechanical										
Cylinder Deactivation	No										
Cylinder Deactivation Description	--										
Variable Valve Timing	Yes										
Variable Valve Timing System Description	CONTINUOUSLY VARIABLE VALVE TIMING										
Variable Valve Lift?	Yes										
Variable Valve Lift System Description	AUDI VALVE LIFT SYSTEM										
Number of Knock Sensors	1	Number of Air/Fuel Sensors	2								
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--								
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--								
Mfr Air/Fuel Sensor Comments	--										
Exhaust Gas Recirculation	No	Cooled Exhaust Gas Recirculation	No								
EGR Type	--	Exhaust Gas Recirculation Description if 'Other'	--								
Closed Loop Air Injection System	No										
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--								
Mfr Engine Configuration Comments	Applies to DYWA 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	SVGGA10086523	SVGGA10086525	SVGGA10086526	SVGGA10086522	SVGGA10086524	24.7	228.2	42	286.1	--	

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Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
SFTP LEV-III Official Test Numbers			
Test Group Fuel	FTP	US06	SC03
Gasoline	SVGA10086523	SVGA10086525	SVGA10086526

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Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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Emission Data Vehicle Information

Vehicle ID / Configuration	NA3B-A3-531 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	NVGAV02.0A3B	Original Evaporative/Refueling Family	NVGAR0139ACB
Original Test Vehicle Model Year	2022		
Vehicle Model			
Represented Test Vehicle Make	Audi	Represented Test Vehicle Model	A3 quattro

Leak Family Details

Leak Family Identifier	001	Leak Family Name	NVGAR0139ACB-001
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Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Combustion Engine	Gasoline
2	Electric Motor	Electricity

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	No		
Odometer Correction -- Initial	0	Odometer Correction Factor	0.9977
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Kilometers		
Engine Code	DNVB	Rated Horsepower	201
Displacement (liters)	1.984		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Air	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	3527	Equivalent Test Weight (pounds)	4000
GVWR (lbs)	4475	N/V Ratio	26.6
Axle Ratio	3.12		
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7
Transmission Lockup	No	Creeper Gear	No

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	NVGA10070352	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	NVGA10070348	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2021	Fuel	Gasoline
Fuel Batch ID	IG0007	Fuel Calibration Number	2
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	5055	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.239	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.239	0	0.239	0.275	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.239	0	0.239	0.275	Pass

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	NVGA10070353	Test Procedure	24 - Federal fuel refueling test (ORVR)
Exhaust Test # for this Evap Test	NVGA10070349	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/29/2021	Fuel	Gasoline
Fuel Batch ID	IG0007	Fuel Calibration Number	3
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	5113	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC (Hydrocarbon for Running Loss and ORVR)	0.01	--

Manufacturer Test Comments

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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	0.01	0	0.01	0.2	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC	0.01	0	0.01	0.2	Pass

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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Emission Data Vehicle Information

Vehicle ID / Configuration	SA3N-A3-866 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	SVGAV02.0A3N	Original Evaporative/Refueling Family	SVGAR0139ACB
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Audi	Represented Test Vehicle Model	A3 quattro
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Leak Family Details

Leak Family Identifier	001	Leak Family Name	SVGAR0139ACB-001
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Drive Sources and Fuel System Details

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	1.0052
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	DYWA	Rated Horsepower	201
Displacement (liters)	1.984		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Air	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	3571	Equivalent Test Weight (pounds)	3875
GVWR (lbs)	4431	N/V Ratio	26.7
Axle Ratio	3.12		
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7
Transmission Lockup	No	Creep Gear	No

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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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	46.32	-0.0421	0.02174	7.8	-0.0852	0.02003	13.1
Cold CO	50.95	-0.0464	0.02391	3.69	-0.2332	0.02287	N/A
US06	46.32	-0.0421	0.02174	7.8	-0.0852	0.02003	N/A

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

Manufacturer Test Vehicle Comments --

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	SVGA10086522	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	02/16/2024	Fuel	Gasoline
Fuel Batch ID	IG0039	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3099	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)	385.7969326	--
FE BAG 1 (Bag 1 Fuel Economy)	22.3277682	22.3277682
CO2 BAG 2 (Bag 2 Carbon Dioxide)	395.4077741	--
FE BAG 2 (Bag 2 Fuel Economy)	21.9390168	21.9390168
CO2 BAG 3 (Bag 3 Carbon Dioxide)	317.8868001	--
FE BAG 3 (Bag 3 Fuel Economy)	27.270046	27.270046
METHANE (CH4 - Methane)	0.0042632	--
CO (Carbon Monoxide)	0.3711933	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.211695	--
DT-EER (Drive Trace Energy Economy Rating)	0.8445065	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.033262	--
MFR FE (Manufacturer Fuel Economy)	23.3	23.3
NOX (Nitrogen Oxide)	0.0153283	--
N2O (Nitrous Oxide)	0.0010888	--
HC-NM (Non-methane Hydrocarbon)	0.0493567	--
NMOG (Non-methane organic gases)	0.0542	--
HC-TOTAL (Total Hydrocarbon)	0.0532739	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	372	--

Manufacturer Test Comments EDV E10 4k Cold-CO - Tested as AUDI dr. - ETW: 3875

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Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 30	CO	0.37	--	--	--	0.009	--	0.4	10.0	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.05	--	--	--	0	--	0	0.3	Pass
CA	50,000 miles	California LEV-III SULEV30	CO	0.37	--	--	--	0.009	--	0.4	10.0	Pass

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Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	SVGA10086523	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	02/20/2024	Fuel	Gasoline
Fuel Batch ID	IG0039	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3148	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)	338.4719192	--
FE BAG 1 (Bag 1 Fuel Economy)	25.5791703	25.5791703
CO2 BAG 2 (Bag 2 Carbon Dioxide)	360.8960357	--
FE BAG 2 (Bag 2 Fuel Economy)	24.0393681	24.0393681
CO2 BAG 3 (Bag 3 Carbon Dioxide)	295.2467097	--
FE BAG 3 (Bag 3 Fuel Economy)	29.3771174	29.3771174
METHANE (CH4 - Methane)	0.0017506	--
CO (Carbon Monoxide)	0.138471	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.96643	--
DT-EER (Drive Trace Energy Economy Rating)	0.4789478	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.646567	--
MFR FE (Manufacturer Fuel Economy)	25.7	25.7
NOX (Nitrogen Oxide)	0.0077452	--
N2O (Nitrous Oxide)	0.0001244	--
HC-NM (Non-methane Hydrocarbon)	0.0054637	--
NMOG (Non-methane organic gases)	0.006	--
PM (Particulate Matter)	0.0006578	--
HC-TOTAL (Total Hydrocarbon)	0.0070616	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	338	999

Certification Summary Information Report

Test Group		SVGAV02.0A3N			Evaporative/Refueling Family					SVGAR0139ACB		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		338			--					
Manufacturer Test Comments		EDV E10 4k FED. FUEL FTP - Tested as AUDI dr. - ETW: 3875										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	999	--	--	--	0.03	--	999	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0018	--	--	--	0.0006	--	0.002	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0001	--	--	--	0.0001	--	0	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.14	--	--	--	0.03	--	0.2	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.21	--	--	--	--	--	0.2	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.006	--	1.0991	--	0	--	0.006	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0137	--	--	--	--	--	0.014	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0133	--	--	--	--	--	0.013	0.040	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0077	--	--	--	0	--	0.008	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0007	--	--	--	0	--	0.001	0.003	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.14	--	--	--	0.03	--	0.2	1.0	Pass
CA	150,000 miles	California LEV-III SULEV30	CO-COMP	0.21	--	--	--	--	--	0.2	4.2	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.006	--	1.0991	--	0	--	0.006	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0137	--	--	--	--	--	0.014	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX-COMP	0.0133	--	--	--	--	--	0.013	0.040	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0077	--	--	--	0	--	0.008	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0007	--	--	--	0	--	0.001	0.003	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	SVGA10086527	Test Procedure	52 - Fed. fuel 50 F exh.
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	02/27/2024	Fuel	Gasoline
Fuel Batch ID	IG0040	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3211	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	357.4454413	--
FE BAG 1 (Bag 1 Fuel Economy)	23.4576717	23.4576717
CO2 BAG 2 (Bag 2 Carbon Dioxide)	376.6470073	--
FE BAG 2 (Bag 2 Fuel Economy)	22.3142542	22.3142542
CO2 BAG 3 (Bag 3 Carbon Dioxide)	309.2698896	--
FE BAG 3 (Bag 3 Fuel Economy)	27.1673157	27.1673157
METHANE (CH4 - Methane)	0.0019193	--
CO (Carbon Monoxide)	0.1629382	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.380415	--
DT-EER (Drive Trace Energy Economy Rating)	1.126343	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.389439	--
MFR FE (Manufacturer Fuel Economy)	23.7	23.7
NOX (Nitrogen Oxide)	0.0092036	--
N2O (Nitrous Oxide)	0.0001069	--
HC-NM (Non-methane Hydrocarbon)	0.0053791	--
NMOG (Non-methane organic gases)	0.0059	--
PM (Particulate Matter)	0.0011459	--
HC-TOTAL (Total Hydrocarbon)	0.0070699	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	354	--

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Test Group		SVGAV02.0A3N		Evaporative/Refueling Family				SVGAR0139ACB				
Manufacturer Test Comments		EDV E10 4k FED. FUEL 50F FTP - Tested as AUDI dr. - ETW: 3875										
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-III SULEV30	CO	0.16	--	--	--	--	--	0.2	1.0	Pass
CA	4,000 miles	California LEV-III SULEV30	NMOG	0.0059	--	1.0991	--	--	--	0.006	99.999	Pass
CA	4,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0151	--	--	--	--	--	0.015	0.060	Pass
CA	4,000 miles	California LEV-III SULEV30	NOX	0.0092	--	--	--	--	--	0.009	99.999	Pass

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Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	SVGA10086532	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/27/2024	Fuel	Gasoline
Fuel Batch ID	IG0033	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3591	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)	340.8426439	--
FE BAG 1 (Bag 1 Fuel Economy)	26.0835083	26.0835083
CO2 BAG 2 (Bag 2 Carbon Dioxide)	352.64509	--
FE BAG 2 (Bag 2 Fuel Economy)	25.261958	25.261958
CO2 BAG 3 (Bag 3 Carbon Dioxide)	291.0902569	--
FE BAG 3 (Bag 3 Fuel Economy)	30.5897674	30.5897674
METHANE (CH4 - Methane)	0.0019373	--
CO (Carbon Monoxide)	0.1982086	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.8175883	--
DT-EER (Drive Trace Energy Economy Rating)	-0.0228904	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.7109113	--
MFR FE (Manufacturer Fuel Economy)	26.7	26.7
NOX (Nitrogen Oxide)	0.006507	--
N2O (Nitrous Oxide)	0.0002095	--
HC-NM (Non-methane Hydrocarbon)	0.0068658	--
NMOG (Non-methane organic gases)	0.0071	--
PM (Particulate Matter)	0.0006239	--
HC-TOTAL (Total Hydrocarbon)	0.0087153	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	333	333

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	333	--

Manufacturer Test Comments EDV E0 4k FED. FUEL FTP - Tested as AUDI dr. - ETW: 3875

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	333	--	--	--	0.03	--	333	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0019	--	--	--	0.0006	--	0.002	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0002	--	--	--	0.0001	--	0	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.2	--	--	--	0.03	--	0.2	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0071	--	1.0991	--	0	--	0.007	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0136	--	--	--	--	--	0.014	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0065	--	--	--	0	--	0.006	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0006	--	--	--	0	--	0.001	0.003	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.2	--	--	--	0.03	--	0.2	1.0	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0071	--	1.0991	--	0	--	0.007	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0136	--	--	--	--	--	0.014	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0065	--	--	--	0	--	0.006	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.0006	--	--	--	0	--	0.001	0.003	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	SVGA10086524	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	02/20/2024	Fuel	Gasoline
Fuel Batch ID	IG0039	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3159	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)	0.0255526	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	5.448041	--
DT-EER (Drive Trace Energy Economy Rating)	0.1678864	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	6.699673	--
MFR FE (Manufacturer Fuel Economy)	42.5	42.5
NOX (Nitrogen Oxide)	0.0024891	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0000364	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	204	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	204	--

Manufacturer Test Comments EDV E10 4k HWFET - Tested as AUDI dr. - ETW: 3875

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	999	--	--	--	0.03	--	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0	--	1.03	--	0	--	0	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0025	--	--	--	--	--	0.002	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0025	--	--	--	0	--	0.002	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0	--	1.03	--	0	--	0	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0025	--	--	--	--	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0025	--	--	--	0	--	0.002	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	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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Test #	SVGA10086528	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/05/2024	Fuel	Gasoline
Fuel Batch ID	IG0038	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3241	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)	0.0253711	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.4273482	--
DT-EER (Drive Trace Energy Economy Rating)	-0.3700892	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.7012828	--
MFR FE (Manufacturer Fuel Economy)	43.8	43.8
NOX (Nitrogen Oxide)	0.0017075	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0.0000129	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.0000047	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	204	204

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	204	--

Manufacturer Test Comments EDV E0 4k HWFET - Tested as AUDI dr. - ETW: 3875

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	204	--	--	--	0.03	--	204	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0	--	1.03	--	0	--	0	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0017	--	--	--	--	--	0.002	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0017	--	--	--	0	--	0.002	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0	--	1.03	--	0	--	0	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG+NOX	0.0017	--	--	--	--	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0017	--	--	--	0	--	0.002	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	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	SVGA10086525	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	02/20/2024	Fuel	Gasoline
Fuel Batch ID	IG0039	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3180	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)	490.4963471	--
FE BAG 1 (Bag 1 Fuel Economy)	17.6794231	17.6794231
CO2 BAG 2 (Bag 2 Carbon Dioxide)	253.3921784	--
FE BAG 2 (Bag 2 Fuel Economy)	34.2236492	34.2236492
METHANE (CH4 - Methane)	0.0016671	--
CO (Carbon Monoxide)	0.1163901	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.8402023	--
DT-EER (Drive Trace Energy Economy Rating)	-1.019093	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.904651	--
MFR FE (Manufacturer Fuel Economy)	28.3	28.3
NOX (Nitrogen Oxide)	0.0086553	--
N2O (Nitrous Oxide)	0.0002274	--
HC-NM (Non-methane Hydrocarbon)	0.0043741	--
NMOG (Non-methane organic gases)	0.0045	--
PM (Particulate Matter)	0.0010055	--
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	0.013	--
HC-TOTAL (Total Hydrocarbon)	0.0059863	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	306	--

Certification Summary Information Report

Test Group		SVGAV02.0A3N		Evaporative/Refueling Family				SVGAR0139ACB				
Manufacturer Test Comments		EDV E10 4k US06 - Tested as AUDI dr. - ETW: 3875										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.12	--	--	--	0.03	--	0.2	99.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0045	--	1.03	--	0	--	0.004	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0087	--	--	--	0	--	0.009	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.001	--	--	--	0	--	0.001	0.006	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.12	--	--	--	0.03	--	0.2	99.0	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0045	--	1.03	--	0	--	0.004	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0087	--	--	--	0	--	0.009	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	PM	0.001	--	--	--	0	--	0.001	0.006	Pass

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test #	SVGA10086526	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	02/20/2024	Fuel	Gasoline
Fuel Batch ID	IG0039	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	AUDI AG Ingolstadt		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3196	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)	0.0018857	--
CO (Carbon Monoxide)	0.2725987	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.691562	--
DT-EER (Drive Trace Energy Economy Rating)	0.5032186	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.958216	--
MFR FE (Manufacturer Fuel Economy)	20.6	20.6
NOX (Nitrogen Oxide)	0.0121874	--
N2O (Nitrous Oxide)	0.0000373	--
HC-NM (Non-methane Hydrocarbon)	0.0007746	--
NMOG (Non-methane organic gases)	0.0008	--
PM (Particulate Matter)	0.0006306	--
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	0.013	--
HC-TOTAL (Total Hydrocarbon)	0.0025982	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	420	--

Manufacturer Test Comments

EDV E10 4k SC03 - Tested as AUDI dr. - ETW: 3875

Certification Summary Information Report

Test Group		SVGAV02.0A3N				Evaporative/Refueling Family				SVGAR0139ACB		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.27	--	--	--	0.03	--	0.3	99.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0008	--	1.03	--	0	--	0.001	99.000	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0122	--	--	--	0	--	0.012	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	CO	0.27	--	--	--	0.03	--	0.3	99.0	Pass
CA	150,000 miles	California LEV-III SULEV30	NMOG	0.0008	--	1.03	--	0	--	0.001	99.000	Pass
CA	150,000 miles	California LEV-III SULEV30	NOX	0.0122	--	--	--	0	--	0.012	99.000	Pass

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB						
Emission Data Vehicle Information									
Vehicle ID / Configuration	VW38003-0082 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	PVGAV02.0V7B	Original Evaporative/Refueling Family	PVGAR0139VCA						
Original Test Vehicle Model Year	2023								
Vehicle Model									
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	GTI						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	PVGAR0139VCA-001						
Drive Sources and Fuel System Details									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table>			Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	0.994						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	DRNA	Rated Horsepower	241						
Displacement (liters)	1.984								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3316	Equivalent Test Weight (pounds)	3750						
GVWR (lbs)	4343	N/V Ratio	26.7						
Axle Ratio	3.12								
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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Dynamometer Coefficients:

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	44.74	0.1809	0.02183	22.32	0.178	0.02072	14.4
Cold CO	49.21	0.199	0.02402	0	0	0	N/A
US06	44.74	0.1809	0.02183	22.32	0.178	0.02072	N/A

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

Test #	PVGA10074777	Test Procedure	65 - Evap Canister Bleed Test
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	02/18/2022	Fuel	Gasoline
Fuel Batch ID	WB0014	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB2		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	4310	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.012	--

Manufacturer Test Comments BETP

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	0.012	0	0.012	0.02	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.012	0	0.012	0.02	Pass

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Fuel Properties			
Fuel Batch ID	IG0039	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	07/27/2023
Fuel Batch Calibration Effective Date	04/10/2023	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.754
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value (BTU / lb)	17936
Fuel Blend Carbon Weight Fraction	0.825	Weight Fraction CO2	--
Fuel Batch ID	WB0014	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	12/13/2021
Fuel Batch Calibration Effective Date	01/14/2022	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.747
Fuel Ethanol Volume Percent (%)	9.4	Fuel Net Heating Value (BTU / lb)	18203
Fuel Blend Carbon Weight Fraction	0.828	Weight Fraction CO2	--
Fuel Batch ID	IG0038	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	09/12/2023
Fuel Batch Calibration Effective Date	09/13/2023	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	0.742
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value (BTU / lb)	18407
Fuel Blend Carbon Weight Fraction	0.868	Weight Fraction CO2	--
Fuel Batch ID	IG0040	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	07/05/2023
Fuel Batch Calibration Effective Date	07/10/2023	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.754
Fuel Ethanol Volume Percent (%)	9.4	Fuel Net Heating Value (BTU / lb)	17923
Fuel Blend Carbon Weight Fraction	0.799	Weight Fraction CO2	--
Fuel Batch ID	IG0007	Fuel Calibration Number	2

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	12/16/2020
Fuel Batch Calibration Effective Date	04/06/2021	Fuel Batch Calibration Ineffective Date	02/15/2022
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.751
Fuel Ethanol Volume Percent (%)	10.1	Fuel Net Heating Value (BTU / lb)	17608
Fuel Blend Carbon Weight Fraction	0.83	Weight Fraction CO2	--
Fuel Batch ID	IG0007	Fuel Calibration Number	3
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	12/16/2020
Fuel Batch Calibration Effective Date	04/23/2021	Fuel Batch Calibration Ineffective Date	04/06/2022
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.751
Fuel Ethanol Volume Percent (%)	10.1	Fuel Net Heating Value (BTU / lb)	17608
Fuel Blend Carbon Weight Fraction	0.83	Weight Fraction CO2	--
Fuel Batch ID	IG0033	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	04/20/2023
Fuel Batch Calibration Effective Date	04/27/2023	Fuel Batch Calibration Ineffective Date	04/26/2024
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 (%)	--	Fuel Net Heating Value (BTU / lb)	18419
Fuel Blend Carbon Weight Fraction	0.867	Weight Fraction CO2	--

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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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-III 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	--	--	--	--	--	--	0.03	99.0
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.000
150,000 miles	NOX	--	--	--	--	--	--	0	99.000
150,000 miles	PM	--	--	--	--	--	--	0	0.006

Cert Region	California + CAA Section 177 states	Cert/In-Use Code	Cert
Vehicle Class	LDV/Passenger Car	Standard Level	California LEV-III 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	--	--	--	--	--	--	0.03	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	HCHO	--	--	--	--	--	--	0	0.004
150,000 miles	NMOG	--	--	1.0991	--	--	--	0	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	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		SVGAV02.0A3N			Evaporative/Refueling Family			SVGAR0139ACB	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 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	--	--	--	--	--	--	0.03	99.0
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.000
150,000 miles	NOX	--	--	--	--	--	--	0	99.000
150,000 miles	PM	--	--	--	--	--	--	0	0.006

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 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	--	--	--	--	--	--	0.03	999
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.000
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	99.000

Certification Summary Information Report

Test Group		SVGAV02.0A3N			Evaporative/Refueling Family			SVGAR0139ACB		
Cert Region		Federal			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 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	--	--	--	--	--	--	0.03	999	
120,000 miles	METHANE	--	--	--	--	--	--	0.0006	0.030	
120,000 miles	N2O	--	--	--	--	--	--	0.0001	0.010	
150,000 miles	CO	--	--	--	--	--	--	0.03	1.0	
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2	
150,000 miles	HCHO	--	--	--	--	--	--	0	0.004	
150,000 miles	NMOG	--	--	1.0991	--	--	--	0	99.000	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030	
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.040	
150,000 miles	NOX	--	--	--	--	--	--	0	99.000	
150,000 miles	PM	--	--	--	--	--	--	0	0.003	

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-III 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	99.000	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0	99.000	

Certification Summary Information Report

Test Group		SVGAV02.0A3N			Evaporative/Refueling Family			SVGAR0139ACB		
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-III 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	HCHO	--	--	--	--	--	--	--	0.008	
4,000 miles	NMOG	--	--	1.0991	--	--	--	--	99.999	
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.060	
4,000 miles	NOX	--	--	--	--	--	--	--	99.999	

Cert Region		Federal			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 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	--	--	--	--	--	--	0.009	10.0	
120,000 miles	HC-NM	--	--	--	--	--	--	0	0.3	

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-III 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	--	--	--	--	--	--	0.03	99.0	
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.000	
150,000 miles	NOX	--	--	--	--	--	--	0	99.000	

Certification Summary Information Report

Test Group		SVGAV02.0A3N			Evaporative/Refueling Family			SVGAR0139ACB		
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-III 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	--	--	--	--	--	--	0.009	10.0	

Cert Region		Federal			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 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	--	--	--	--	--	--	0.03	99.0	
150,000 miles	NMOG	--	--	1.03	--	--	--	0	99.000	
150,000 miles	NOX	--	--	--	--	--	--	0	99.000	

Evaporative/Refueling Standards

Evaporative/Refueling Family		SVGAR0139ACB			Cert Region			California + CAA Section 177 states California LEV-III Zero Evap (Option 2)		
Cert/In-Use Code		Both			Standard Level					
Test Procedure		Federal Fuel Running Loss								
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF					
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.001					

Evaporative/Refueling Family		SVGAR0139ACB			Cert Region			Federal		
Cert/In-Use Code		Both			Standard Level			Federal Tier 3 Evap		
Test Procedure		2-day evap								
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF					
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.275	0.0094					

Evaporative/Refueling Family		SVGAR0139ACB			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	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB		
Evaporative/Refueling Family	SVGAR0139ACB	Cert Region	California + CAA Section 177 states California LEV-III Zero Evap (Option 2)		
Cert/In-Use Code	Both	Standard Level			
Test Procedure	Federal fuel refueling test (ORVR)				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC	--	0.20	0
Evaporative/Refueling Family	SVGAR0139ACB	Cert Region	Federal		
Cert/In-Use Code	Both	Standard Level	Federal Tier 3 Evap		
Test Procedure	Federal Fuel Running Loss				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.001
Evaporative/Refueling Family	SVGAR0139ACB	Cert Region	California + CAA Section 177 states California LEV-III Zero Evap (Option 2)		
Cert/In-Use Code	Both	Standard Level			
Test Procedure	Federal fuel 3-day evap				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.275	0
Evaporative/Refueling Family	SVGAR0139ACB	Cert Region	California + CAA Section 177 states California LEV-III Zero Evap (Option 2)		
Cert/In-Use Code	Both	Standard Level			
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	SVGAR0139ACB	Cert Region	Federal		
Cert/In-Use Code	Both	Standard Level	Federal Tier 3 Evap		
Test Procedure	Federal fuel refueling test (ORVR)				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC	--	0.20	0

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB		
Evaporative/Refueling Family	SVGAR0139ACB	Cert Region	Federal		
Cert/In-Use Code	Both	Standard Level	Federal Tier 3 Evap		
Test Procedure	Federal fuel 3-day evap				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.275	0
Evaporative/Refueling Family	SVGAR0139ACB	Cert Region	California + CAA Section 177 states California LEV-III Zero Evap (Option 2)		
Cert/In-Use Code	Both	Standard Level			
Test Procedure	2-day evap				
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.275	0.0094

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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	N2O	Nitrous Oxide
CO	Carbon Monoxide	SPITBACK	Spitback Hydrocarbon in grams
CO2	Carbon dioxide	AMP-HRS	Integrated Amp-hours
CREE	Carbon-Related Exhaust Emissions	START-SOC	System Start State of Charge Watt-hours
OPT-CREE	Optional Carbon-Related Exhaust Emissions	END-SOC	System End State of Charge Watt-hours
NOX	Nitrogen Oxide	ACT-DISTANCE	Actual Distance Driven (miles)
PM	Particulate Matter	AS-VOLT	Average System Voltage
PM-COMP	SFTP Composite Particulate Matter	CO2 BAG 1	Bag 1 Carbon Dioxide
HC-NM	Non-methane Hydrocarbon	CO2 BAG 2	Bag 2 Carbon Dioxide
OMHCE	Organic material Hydrocarbon Equivalent	CO2 BAG 3	Bag 3 Carbon Dioxide
OMNMHCE	Organic material non-methane HC equivalent	CO2 BAG 4	Bag 4 Carbon Dioxide
NMOG	Non-methane organic gases	NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides
HCHO	Formaldehyde	NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides
H3C2HO	Acetaldehyde	DT-IWRR	Drive Trace Inertia Work Ratio Rating
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	DT-ASCR	Drive Trace Absolute Speed Change Rating
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	DT-EER	Drive Trace Energy Economy Rating
CO-COMP	SFTP Composite Carbon Monoxide	COMB-CREE	Combined Carbon-Related Exhaust Emissions
ETHANOL	C2H5OH - Ethanol	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
FE BAG 1	Bag 1 Fuel Economy	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
FE BAG 2	Bag 2 Fuel Economy	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
FE BAG 3	Bag 3 Fuel Economy	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
FE BAG 4	Bag 4 Fuel Economy	LEAK-DIA	Effective Leak Diameter (inches)
MFR FE	Manufacturer Fuel Economy	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
HC	Hydrocarbon for Running Loss and ORVR	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
METHANE	CH4 - Methane	KW-HRS	Integrated DC KW-HRS
METHANOL	CH3OH - Methanol		
Certification Region			
CA	California + CAA Section 177 states	FA	Federal
Exhaust Emission Standard Level			
B1	Federal Tier 2 Bin 1	L3ULEV340	California LEV-III ULEV340
B2	Federal Tier 2 Bin 2	L3ULEV250	California LEV-III ULEV250
B3	Federal Tier 2 Bin 3	L3ULEV200	California LEV-III ULEV200
B4	Federal Tier 2 Bin 4	L3SULEV170	California LEV-III SULEV170

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
B5	Federal Tier 2 Bin 5	L3SULEV150	California LEV-III SULEV150
B6	Federal Tier 2 Bin 6	L3LEV630	California LEV-III LEV630
B7	Federal Tier 2 Bin 7	L3ULEV570	California LEV-III ULEV570
B8	Federal Tier 2 Bin 8	L3ULEV400	California LEV-III ULEV400
B9	Federal Tier 2 Bin 9	L3ULEV270	California LEV-III ULEV270
B10	Federal Tier 2 Bin 10	L3SULEV230	California LEV-III SULEV230
B11	Federal Tier 2 Bin 11	L3SULEV200	California LEV-III SULEV200
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	T3B160	Federal Tier 3 Bin 160
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	T3B125	Federal Tier 3 Bin 125
L2	California LEV-II LEV	T3B110	Federal Tier 3 Transitional Bin 110
L2OP	California LEV-II LEV Optional	T3B85	Federal Tier 3 Transitional Bin 85
U2	California LEV-II ULEV	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover
S2	California LEV-II SULEV	T3B70	Federal Tier 3 Bin 70
ZEV	California ZEV	T3B50	Federal Tier 3 Bin 50
OT	Other	T3B30	Federal Tier 3 Bin 30
T1	Federal Tier 1	T3B20	Federal Tier 3 Bin 20
PZEV	California PZEV	T3B0	Federal Tier 3 Bin 0
L2LEV160	California LEV-II LEV160	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395
L2ULEV125	California LEV-II ULEV125	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340
L2SULEV30	California LEV-II SULEV30	HDV2B250	Federal Tier 3 HD Class 2b Bin 250
L2LEV395	California LEV-II LEV395	HDV2B200	Federal Tier 3 HD Class 2b Bin 200
L2ULEV340	California LEV-II ULEV340	HDV2B170	Federal Tier 3 HD Class 2b Bin 170
L2LEV630	California LEV-II LEV630	HDV2B150	Federal Tier 3 HD Class 2b Bin 150
L2ULEV570	California LEV-II ULEV570	HDV2B0	Federal Tier 3 HD Class 2b Bin 0
L3LEV160	California LEV-III LEV160	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630
L3ULEV125	California LEV-III ULEV125	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570
L3ULEV70	California LEV-III ULEV70	HDV3B400	Federal Tier 3 HD Class 3 Bin 400
L3ULEV50	California LEV-III ULEV50	HDV3B270	Federal Tier 3 HD Class 3 Bin 270
L3SULEV30	California LEV-III SULEV30	HDV3B230	Federal Tier 3 HD Class 3 Bin 230
L3SULEV20	California LEV-III SULEV20	HDV3B200	Federal Tier 3 HD Class 3 Bin 200
L3LEV395	California LEV-III LEV395	HDV3B0	Federal Tier 3 HD Class 3 Bin 0
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
F	2-Wheel Drive, Front	A	All Wheel Drive

Certification Summary Information Report

Test Group	SVGAV02.0A3N	Evaporative/Refueling Family	SVGAR0139ACB
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