

Certification Summary Information Report

Manufacturer	Volkswagen	Manufacturer Code	VWX
Test Group	BVWXV02.0U5N	Evaporative/Refueling Family	N/A
Certificate Number	BVWXV02.0U5N-007	CARB Executive Order #	N/A
Certificate Issue Date	07/08/2010	Certificate Revision Date	N/A
Certificate Effective Date	12/31/2011	Conditional Certificate	No
CSI Revision #	1	CSI Revision Date	07/12/2010
Model Year	2011		

Test Group Information

CSI Type	Running Change	Running Change Reference Number	CBI_BVWXV02.0U5N_APP_C01_R00
Drive Source	Combustion Engine	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	No
Durability Group Name	BVWXDPDNNU5N	Durability Group Equivalency Factor	1.1
Fuel Category	Single Fuel	Fuel(s)	Diesel, Not Applicable
Reduced Fee Test Group	No		
Certification Region Codes			
Introduction into Commerce Date	07/26/2010	CAP2000 Conditional Certificate?	No
Mfr Test Group Comments			
Exhaust/Evap Standards Comments			

Models Covered by this Certificate

Manufacturer	Division	Carline	Certification Region Code	Drive System	Transmission			
					Trans Type	Lockup	Creeper Gear	# of Gears
Volkswagen	1 - Volkswagen	221 - Jetta	Fed	F	M	No	No	6
Volkswagen	1 - Volkswagen	206 - GOLF	Fed	F	M	No	No	6
Volkswagen	2 - Audi	65 - A3	CA	F	SA	No	No	6
Volkswagen	1 - Volkswagen	225 - JETTA SPORTWAGE N	CA	F	SA	No	No	6
Volkswagen	1 - Volkswagen	225 - JETTA SPORTWAGE N	Fed	F	M	No	No	6
Volkswagen	1 - Volkswagen	225 - JETTA SPORTWAGE N	Fed	F	SA	No	No	6
Volkswagen	1 - Volkswagen	221 - Jetta	CA	F	M	No	No	6
Volkswagen	1 - Volkswagen	225 - JETTA SPORTWAGE N	CA	F	M	No	No	6
Volkswagen	2 - Audi	65 - A3	Fed	F	SA	No	No	6
Volkswagen	2 - Audi	65 - A3	CA	F	M	No	No	6
Volkswagen	1 - Volkswagen	221 - Jetta	CA	F	SA	No	No	6
Volkswagen	1 - Volkswagen	206 - GOLF	CA	F	SA	No	No	6
Volkswagen	1 - Volkswagen	206 - GOLF	CA	F	M	No	No	6
Volkswagen	2 - Audi	65 - A3	Fed	F	M	No	No	6
Volkswagen	1 - Volkswagen	206 - GOLF	Fed	F	SA	No	No	6
Volkswagen	1 - Volkswagen	221 - Jetta	Fed	F	SA	No	No	6

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Engine Description		Hybrid Description	
Hybrid Type			
Engine Type	4-Stroke Compression Ignition		
Engine Description			
Engine Block Arrangement	Inline		
Engine Block Arrangement Description			
Basic Fuel Metering Systems(s)	Direct Diesel Injection,	Number of Cylinders/Rotors	4

Engine Configuration Number 1			
Engine Displacement (liters)	2.0	Engine Rated Horsepower	140
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
Cylinder Deactivation Description - N/A			
Variable Valve Timing System Description - N/A			
Variable Valve Lift System - N/A			
Sensor Information			
Number of Knock Sensors	0		
Sensor # 1		Sensor Type	Heated oxygen
Sensor # 2		Sensor Type	Heated oxygen
Sensor Comments - N/A			
Exhaust Gas Recirculation	Yes	EGR Type	Electronic/Electric
Cooled Exhaust Gas Recirculation	Yes		
Closed Loop Air Injection System	No	Air Injection Type	
Engine Configuration Comments - null			

After Treatment Device(s) (ATD)				
ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Oxidation catalyst	Platinum + Palladium + Rhodium	Metal	Monolith
2	Diesel Particulate Filter	Platinum + Palladium	Ceramic	Monolith
3	NOx Adsorber	Platinum + Palladium + Rhodium	Ceramic	Monolith
After Treatment Device (ATD) Comments				
Direct Ozone Reduction (DOR) Device				
	Not Equipped			
Emission Control Device Comments				

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Emission Data Vehicle Information

Vehicle ID / Configuration	VW351 780169/09 / 2	# of Transmission Gears	6
Transmission Type	Automatic	Axle Ratio	3.04
Engine Code	CBEA	Vehicle Fuel Category	Single Fuel
Fuel(s)	Diesel / Not Applicable	Rated Horsepower	140
Displacement (liters)	1.968	Air Aspiration Method	Turbocharged
Equivalent Test Weight (pounds)	3750	SIL Usage	Not equipped
Test Drive Code	2-Wheel Drive, Front		
Aged Emission Components	4,000 (mi)		

Dynamometer Coefficients Test Procedure: City/Highway/Evap

Dynamometer Target Coefficients	a=35 (lbf)	b=0.18 (lbf/mph)	c=0.0193 (lbf/mph**2)
Dynamometer Set Coefficients	a=14 (lbf)	b=0.09 (lbf/mph)	c=0.0191 (lbf/mph**2)

Dynamometer Coefficients Test Procedure: US06

Dynamometer Target Coefficients	a=35 (lbf)	b=0.18 (lbf/mph)	c=0.0193 (lbf/mph**2)
Dynamometer Set Coefficients	a=14 (lbf)	b=0.09 (lbf/mph)	c=0.0191 (lbf/mph**2)

Test Vehicle Comments

MY 2009 JETTA SPORTWAGEN - 2.0L TDI DIESEL - 6 SPD. AUTOM. - EDV TESTED AS A FWD - 99 = CAC (CHARGE AIR COOLER) PTOX (PERIODIC TRAP OXIDIZER)

Test #	9VWX01084708	Exhaust Test # for this Evap Test	N/A
Test Procedure	SC03	Test Fuel Type	Cert Diesel 7-15 ppm Sulfur
Test Date	01/14/2008	DF Type	Mfr. Determined
4WD Dyno?	No	State of Charge Delta	
Test Comments	4K MILE SC03 - ETW 3750		

Exhaust Standards

Sales Area	Useful Life	Emission Name	Rounded Result	Cert Level	Std	Vehicle Class	Std Level	NMOG / NMHC	RAF	Deterioration Factor		Diesel Adjustment Factor		Pass/Fail
										Add DF	Mult DF	Up	Down	
Fed	4,000 miles	HC-NM+NO X	0.12	0.12	0.200	LDV	Federal Tier 2 Bin 5					0	0	Pass
Fed	4,000 miles	CO	0.02	0.03	2.70	LDV	Federal Tier 2 Bin 5					0.0125	-1.669	Pass
Fed	120,000 miles	CO	0.02	0.38	3.70	LDV	Federal Tier 2 Bin 5			0.35		0.0125	-1.669	Pass
CA	4,000 miles	HC-NM+NO X	0.12	0.12	0.200	LDV	California LEV-II ULEV					0	0	Pass
CA	4,000 miles	CO	0.02	0.03	2.70	LDV	California LEV-II ULEV					0.0125	-1.669	Pass

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Model Year	2011		

Test #	9VWX09009736	Exhaust Test # for this Evap Test	N/A
Test Procedure	CVS 75 and later (w/o can. load)	Test Fuel Type	Cert Diesel 7-15 ppm Sulfur
Test Date	05/20/2008	DF Type	Mfr. Determined
4WD Dyno?	No	State of Charge Delta	

Test Comments

FILT A EXCLUDED FROM WGHTD FILT A EXCLUDED FROM WGHTD THIS TEST HAS PARTICULATE RESULTS. QC EXCEPTIONS HAVE BEEN IDENTIFIED AND NOTED [NMOG=NMHC] TSD-LCS TEST#: (8) 13-6001

Exhaust Standards

Sales Area	Useful Life	Emission Name	Rounded Result	Cert Level	Std	Vehicle Class	Std Level	NMOG / NMHC	RAF	Deterioration Factor		Diesel Adjustment Factor		Pass/Fail
										Add DF	Mult DF	Up	Down	
Fed	50,000 miles	NMOG	0.00527	0.0097	0.0750	LDV	Federal Tier 2 Bin 5	1	1	0.0038		0.0006	-0.0644	Pass
Fed	50,000 miles	PM	0.0011	0.004	0.010	LDV	Federal Tier 2 Bin 5			0.003		0.0003	-0.0141	Pass
Fed	50,000 miles	NOX	0.0079	0.04	0.050	LDV	Federal Tier 2 Bin 5			0.019		0.0132	-0.549	Pass
Fed	50,000 miles	CO	0.12	0.28	3.40	LDV	Federal Tier 2 Bin 5			0.148		0.0125	-1.669	Pass
Fed	120,000 miles	NMOG	0.00527	0.0146	0.0900	LDV	Federal Tier 2 Bin 5	1	1	0.0087		0.0006	-0.0644	Pass
Fed	120,000 miles	HC-NM+NO X-COMP	0.1206	0.121	0.650	LDV	Federal Tier 2 Bin 5					0.0137	-0.6126	Pass
Fed	120,000 miles	PM	0.0011	0.002	0.010	LDV	Federal Tier 2 Bin 5			0.0003		0.0003	-0.0141	Pass
Fed	120,000 miles	PM-COMP	0.0007	0.001	0.070	LDV	Federal Tier 2 Bin 5					0.0003	-0.0141	Pass
Fed	120,000 miles	NOX	0.0079	0.048	0.070	LDV	Federal Tier 2 Bin 5			0.027		0.0132	-0.549	Pass
Fed	120,000 miles	CO	0.12	0.49	4.20	LDV	Federal Tier 2 Bin 5			0.355		0.0125	-1.669	Pass
CA	50,000 miles	NMOG	0.00527	0.0097	0.0400	LDV	California LEV-II ULEV	1	1	0.0038		0.0006	-0.0644	Pass
CA	50,000 miles	NOX	0.0079	0.04	0.050	LDV	California LEV-II ULEV			0.019		0.0132	-0.549	Pass
CA	50,000 miles	CO	0.12	0.28	1.70	LDV	California LEV-II ULEV			0.148		0.0125	-1.669	Pass
CA	120,000 miles	NMOG	0.00527	0.0146	0.0550	LDV	California LEV-II ULEV	1	1	0.0087		0.0006	-0.0644	Pass

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Model Year	2011		

Test #	9VWX09009736	Exhaust Test # for this Evap Test	N/A
Test Procedure	CVS 75 and later (w/o can. load)	Test Fuel Type	Cert Diesel 7-15 ppm Sulfur
Test Date	05/20/2008	DF Type	Mfr. Determined
4WD Dyno?	No	State of Charge Delta	

Test Comments

FILT A EXCLUDED FROM WGHTD FILT A EXCLUDED FROM WGHTD THIS TEST HAS PARTICULATE RESULTS. QC EXCEPTIONS HAVE BEEN IDENTIFIED AND NOTED [NMOG=NMHC] TSD-LCS TEST#: (8) 13-6001

Exhaust Standards

CA	120,000 miles	PM	0.0011	0.002	0.010	LDV	Californi a LEV-II ULEV	0.0003	0.0003	-0.0141	Pass
CA	120,000 miles	NOX	0.0079	0.048	0.070	LDV	Californi a LEV-II ULEV	0.027	0.0132	-0.549	Pass
CA	120,000 miles	CO	0.12	0.49	2.10	LDV	Californi a LEV-II ULEV	0.355	0.0125	-1.669	Pass

Test #	9VWX09009737	Exhaust Test # for this Evap Test	N/A
Test Procedure	HWFE	Test Fuel Type	Cert Diesel 7-15 ppm Sulfur
Test Date	05/20/2008	DF Type	Mfr. Determined
4WD Dyno?	No	State of Charge Delta	

Test Comments

THIS TEST HAS PARTICULATE RESULTS. QC EXCEPTIONS HAVE BEEN IDENTIFIED AND NOTED [NMOG=NMHC] TSD-LCS TEST#: (8) 13-6002

Exhaust Standards

Sales Area	Useful Life	Emission Name	Rounded Result	Cert Level	Std	Vehicle Class	Std Level	NMOG / NMHC	RAF	Deterioration Factor		Diesel Adjustment Factor		Pass/Fail
										Add DF	Mult DF	Up	Down	
Fed	50,000 miles	NOX	0.0046	0.036	0.070	LDV	Federal Tier 2 Bin 5			0.0186		0.0132	-0.549	Pass
Fed	120,000 miles	NOX	0.0046	0.045	0.090	LDV	Federal Tier 2 Bin 5			0.0268		0.0132	-0.549	Pass
CA	50,000 miles	NOX	0.0046	0.036	0.070	LDV	Californi a LEV-II ULEV			0.0186		0.0132	-0.549	Pass
CA	120,000 miles	NOX	0.0046	0.045	0.090	LDV	Californi a LEV-II ULEV			0.0268		0.0132	-0.549	Pass

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Test Group		BVWXV02.0U5N			Evaporative/Refueling Family			N/A						
Certificate Number		BVWXV02.0U5N-007			CARB Executive Order #			N/A						
Certificate Issue Date		07/08/2010			Certificate Revision Date			N/A						
Certificate Effective Date		12/31/2011			Conditional Certificate			No						
CSI Revision #		1			CSI Revision Date			07/12/2010						
Model Year		2011												
Test #		9VWX09009738			Exhaust Test # for this Evap Test			N/A						
Test Procedure		US06			Test Fuel Type			Cert Diesel 7-15 ppm Sulfur						
Test Date		05/20/2008			DF Type			Mfr. Determined						
4WD Dyno?		No			State of Charge Delta									
Test Comments														
		THIS TEST HAS PARTICULATE RESULTS. [NMOG=NMHC] TSD-LCS TEST#: (8) 13-6003												
Exhaust Standards														
										Deterioration Factor		Diesel Adjustment Factor		
Sales Area	Useful Life	Emission Name	Round Result	Cert Level	Std	Vehicle Class	Std Level	NMOG / NMHC	RAF	Add DF	Mult DF	Up	Down	Pass/Fail
Fed	4,000 miles	HC-NM+NO X	0.1283	0.128	0.140	LDV	Federal Tier 2 Bin 5					0	0	Pass
Fed	4,000 miles	CO	0.017	0.03	8.00	LDV	Federal Tier 2 Bin 5					0.0125	-1.669	Pass
Fed	120,000 miles	CO	0.017	0.38	11.10	LDV	Federal Tier 2 Bin 5			0.35		0.0125	-1.669	Pass
CA	4,000 miles	HC-NM+NO X	0.1283	0.128	0.140	LDV	California LEV-II ULEV					0	0	Pass
CA	4,000 miles	CO	0.017	0.03	8.00	LDV	California LEV-II ULEV					0.0125	-1.669	Pass