



Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2009	9DZXL06.1067	6.057	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Smoke Puff Limiter, Exhaust Gas Recirculation			Tractor, Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.8	0.7	0.09	17	11	29

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 29 day of January 2009.

Annette Hebert, Chief
Mobile Source Operations Division

Deutz AG

Engine Model Summary Template

Nonroad CI

Attachment

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U-R-013-0298

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate:		5.Fuel Rate:		6.Torque @ RPM (SEA Gross)	7.Fuel Rate:		8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
				mm ³ /stroke (for diesel only)	@ peak HP (for diesels only)	mm ³ /stroke (for diesels only)	@ peak HP (for diesels only)		mm ³ /stroke@pea k torque	mm ³ /stroke@pea k torque		
9DZXL06.1067	C3CT137	TCD2012L06	183.7@2100	92.5	64.7	602.5@1450	117.0	56.5	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CT133	TCD2012L06	178.3@2100	91.5	64.0	584.8@1450	113.0	54.6	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CT177	TCD2012L06	237.3@2100	123.5	86.4	785.5@1450	156.0	75.3	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CT152	TCD2012L06	203.8@2100	101.0	70.6	670.4@1450	130.0	62.8	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CT134	TCD2012L06	179.0@2100	92.0	64.3	553.1@1600	107.5	57.3	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CT162	TCD2012L06	217.2@2200	108.0	79.1	700.3@1600	137.5	73.3	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CT163	TCD2012L06	218.8@2100	114.0	79.7	627.6@1600	121.0	64.5	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CI180	TCD2012L06	241.3@2100	125.0	87.4	787.7@1600	153.5	81.8	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CT135	TCD2012L06	181.4@2100	94.0	65.7	531.0@1600	104.5	55.7	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CT177A	TCD2012L06	237.0@2100	121.0	65.7	670.4@1600	130.0	69.3	DDI, TC, CAC, ECM, SPL, EGR			
9DZXL06.1067	C3CI163	TCD2012L06	218.8@2100	114.0	84.6	627.6@1600	120.5	64.2	DDI, TC, CAC, ECM, SPL, EGR			