

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	9DZXL03.6084	3.619	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Exhaust Gas Recirculation			Loaders, 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
37 ≤ kW < 56	Tier 4 interim	STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		CERT	--	--	4.4	1.0	0.18	1	1	1

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

Engine Model Summary Template

Deutz AG
Nonroad CI

Attachment P. 1 of 1

U-R-013-0308

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: mm/stroke @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
9DZXL03.6084	C3C150	D2011L04w	50kw 67	50	28.8	210@1700	48	18.1	DDI, EGR
9DZXL03.6084	C3C148	D2011L04w	64.3	49	27.2	210@1700	48	18.1	DDI, EGR
9DZXL03.6084	C3C146	D2011L04w	61.6	48	25.5	210@1700	48	18.1	DDI, EGR
9DZXL03.6084	C3C145	D2011L04w	60.3	47	24.0	210@1700	48	18.1	DDI, EGR
9DZXL03.6084	C3C144	D2011L04w	59	47	22.9	210@1700	49	18.5	DDI, EGR
9DZXL03.6084	C3C140	D2011L04w	40 Kw 53.6	47	20.8	210@1700	50	18.8	DDI, EGR
9DZXL03.6084	C3C147.5	D2011L04w	63.6	45	25.9	200@1700	46	17.3	DDI, EGR
9DZXL03.6084	C3C145.6	D2011L04w	61.1	44	24.4	200@1700	46	17.3	DDI, EGR
9DZXL03.6084	C3C143.7	D2011L04w	58.6	44	23.4	200@1700	46	17.3	DDI, EGR
9DZXL03.6084	C3C142.8	D2011L04w	57.3	44	22.4	200@1700	46	17.3	DDI, EGR
9DZXL03.6084	C3C146A	D2011L04w	61.6	45	25.9	200@1700	46	17.3	DDI, EGR