

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)
2008	8DZXL03.6097	3.619	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Exhaust Gas Recirculation			Loader, 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
56 ≤ kW < 75	Tier 3	STD	N/A	N/A	4.7	5.0	0.40	20	15	50
		CERT	--	--	4.6	1.4	0.17	3	2	5

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 25 day of February 2008.


 Annette Hebert, Chief
 Mobile Source Operations Division

DEUTZ AG
Nomrad CI

Attachment p. 1 of 2

U-P-013-0232

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: lbs/hr @ 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
ZXL03.6097	C3UI56	TD2011L04	75.1@2600	58	33.5	250@1600	65	23.1	DDI, TC, EGR
ZXL03.6097	C3UI576	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI565	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI593	TD2011L04i	79.5@2600	62	35.2	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59A	D3.6DCDE3	79.5@2600	62	35.2	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI52	TD2011L04	69.7@2400	59	30.9	250@1600	65	23.1	DDI, TC, EGR
ZXL03.6097	C3UI56H	TD2011L04	75.1@2500	58	33.5	250@1600	65	23.1	DDI, TC, EGR
ZXL03.6097	C3UI59V	D3.6DCDE3	79.5@2600	62	35.2	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57H	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57J	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57L	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57N	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57P	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57R	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57S	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57T	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57U	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI57Q	TD2011L04i	77.2@2600	60	34.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56H	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56J	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56L	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56N	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56P	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56R	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56S	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56T	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI56U	TD2011L04i	75.8@2500	60	33.9	240@1600	64	22.8	DDI, TC, EGR

DEUTZ AG
 Nemrod CI

Attachment p. 2 of 2

N-R-013-0232

Engine Family	1. Engine Code	2. Engine Model	3. BHP@RPM (SAE Gross)	4. Fuel Rate:		5. Fuel Rate:		7. Fuel Rate: mm ³ /stroke@peak torque	8. Fuel Rate: (lbs/hr)@peak torque Device Per SAE J1930	9. Emission Control
				mm ³ /stroke @ peak HP (for diesel only)	mm ³ /stroke @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	6. Torque @ RPM (SEA Gross)			
ZXL03.6097	C3UI56Q	TD2011L04i	75.8@2500	60	33.9	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59H	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59J	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59L	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59N	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59P	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59R	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59S	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59T	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59U	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6097	C3UI59Q	TD2011L04i	79.5@2600	62	35.2	240@1600	240@1600	64	22.8	DDI, TC, EGR