

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	9DZXL03.6082	3.619	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Electronic Control Module, Smoke Puff Limiter, Exhaust Gas Recirculation			Loaders, Tractor, Dozer, Pump, Compressor, 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):

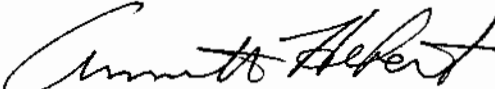
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
37 ≤ kW < 56	Tier 4 interim	STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		CERT	--	--	4.6	1.4	0.17	3	2	5

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 29 day of January 2009.


 Annette Hebert, Chief
 Mobile Source Operations Division

Deutz AG

Nonroad CI

Engine Model Summary Template

Attachment P. 1 of 4

U-R-013-0307

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: mm ³ /stroke@pea k torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
				mm ³ /stroke @ peak HP (for diesel only)	mm ³ /stroke @ peak HP (for diesels only)						
9DZXL03.6082	C3U154	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR, EC, SPL	
9DZXL03.6082	C3U152	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U151A	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154.7	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	22.0	DDI, TC, EGR	
9DZXL03.6082	C3U153.7	TD2011L04i	72.0	59	33.3	230@1600	62	22.0	22.0	DDI, TC, EGR	
9DZXL03.6082	C3U151.3	TD2011L04i	68.8	58	31.5	230@1600	62	22.0	22.0	DDI, TC, EGR	
9DZXL03.6082	C3U149.4	TD2011L04i	66.2	57	30.2	230@1600	62	22.0	22.0	DDI, TC, EGR	
9DZXL03.6082	C3U152A	D3.6DCCCE3	69.7	59	30.2	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U155	TD2011L04i	73.8	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U152	TD2011L04	69.7	59	30.9	250@1600	65	23.1	23.1	DDI, TC, EGR	
9DZXL03.6082	C3U154H	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154J	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154L	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154N	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154P	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154R	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154S	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154T	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154U	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U154Q	TD2011L04i	72.4	60	32.0	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U152H	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U152J	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U152L	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U152N	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U152P	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	22.8	DDI, TC, EGR	
9DZXL03.6082	C3U152R	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	22.8	DDI, TC, EGR	



Engine Model Summary Template

Deutz AG
Nonroad CI

Attachment

P. 2 of 4

U-R-013-0307

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm ³ /stroke @ peak HP (for diesel only)	5.Fuel Rate: mm ³ /stroke @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm ³ /stroke@pea k torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
9DZXL03.6082	C3UI52S	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC, SPL
9DZXL03.6082	C3UI52T	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI52U	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI52Q	TD2011L04i	69.7	59	30.7	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51H	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51J	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51L	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51N	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51P	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51R	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51S	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51T	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51U	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI51Q	TD2011L04i	69.1	59	28.8	240@1600	64	22.8	DDI, TC, EGR
9DZXL03.6082	C3UI54HA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54JA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54LA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54NA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54PA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54RA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54SA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54TA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54UA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI54QA	TD2011L04i	73.4	59	34.1	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI53H	TD2011L04i	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UI53J	TD2011L04i	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR

Engine Model Summary Template

Deutz AG
Nonroad CI

Attachment

P. 3 of 4

U-R-013-0307

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@pea k torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
9DZXL03.6082	C3UJ53L	TD2011L04I	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EL, SPL
9DZXL03.6082	C3UJ53N	TD2011L04I	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ53P	TD2011L04I	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ53R	TD2011L04I	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ53S	TD2011L04I	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ53T	TD2011L04I	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ53U	TD2011L04I	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ53Q	TD2011L04I	72.0	59	33.3	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51HA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51JA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51LA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51NA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51PA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51RA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51SA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51TA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51UA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ51QA	TD2011L04I	68.8	58	31.5	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ49H	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ49J	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ49L	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ49N	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ49P	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ49R	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ49S	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR
9DZXL03.6082	C3UJ49T	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR

Engine Model Summary Template

Deutz AG
Nonroad CI

Attachment P 4 of 4

U-R-013-0307

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: nm/stroke@pea k torque	8. Fuel Rate: (lbs/hr)@peak torque	9. Emission Control Device Per SAE J1930
				mm/stroke @ peak HP (for diesel only)	mm/stroke @ peak HP (for diesels only)						
9DZX103.6082	C3UI49U	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC, SPL		
9DZX103.6082	C3UI49Q	TD2011L04I	66.2	57	30.2	230@1600	62	22.0	DDI, TC, EGR		
9DZX103.6082	C3UI55H	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55J	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55L	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55N	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55P	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55R	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55S	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55T	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55U	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI55Q	TD2011L04I	73.8	60	32.0	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI52V	D3.6DCCE3	69.7	59	30.2	240@1600	64	22.8	DDI, TC, EGR		
9DZX103.6082	C3UI52P	TD2011L04	69.7	59	30.9	250@1600	65	23.1	DDI, TC, EGR		
9DZX103.6082	C3UI55H	TD2011L04	75.0	58	31.5	250@1600	65	23.1	DDI, TC, EGR		

55.17
KW