DEUTZ AG

EXECUTIVE ORDER U-R-013-0210-1 New Off-Road Compression-Ignition Engines

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)		
2007	7DZXL06.1067	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	EMISSION			EXHAUST (g/kw-hr)				OPACITY (%)		
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	co	₽M	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	0.6	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.

This Executive Order hereby supersedes Executive Order U-R-013-0210 dated May 17, 2007

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: DEUTZ AG

Engine category: Nonroad CI

EPA Engine Family: 7DZXL06.1067

Mfr Family Name: TCD2012L06 4V LOF TIER3

Process Code: New Submission

Attachment U-R-013-0310-1

9.Emission Control Device Per SAE J1930 DDI, TC, CAC,								
8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930	DDI, TC, CAC,	DDI, TC, CAC,	DDI, TC, CAC,	DDI, TC, CAC,	DDI, TC, CAC,	DDI, TC, CAC,		
8.Fuel Rate: (lbs/hr)@peak torque	56,5	54,6	75,3	62,8	57,3	73,3		
7.Fuel Rate: mm/stroke@peak torque	111	113	156	130	107,5	137,5		
6.Torque @ RPM (SEA Gross)	602,5@1450	584,8@1450	785,5@1450	670,4@1450	553,1@1600	700,3@1600		
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	64.7	64.0	86.4	70.6	64.3	79.1		
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	92,5	91,5	123,5	101	92	108	1	
3.BHP@RPM (SAE Gross)	183,7@2100	TCD2012L06 133 178,3@2100	237,3@2100	203,8@2100	179@2100	CD2012L06 169 217,2@2200		
з.внр@крм 2.Engine Model _k M (SAE Gross)	TCD2012L06	TCD2012L06 V	TCD2012L06	TCD2012L06	TCD2012L06	TCD2012L06 N		
1.Engine Code	C3CT137	C3CT133	C3CT177	C3CT152	C3CT134	C3CT162		