California Environmental Protection Agency AIR RESOURCES BOARD	DEUTZ AG	EXECUTIVE ORDER U-R-013-0171 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 system 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)
2006	6DZXL06.5036	6.472	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Smoke Puff Limiter, Turbocharger, Charge Air Cooler	Pump

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
75 ≤ kW < 130	Tier 2	STD	N/A	N/A	6.6	5.0	0.30	20	15	50
		CERT	-	-	6.2	1.2	0.21	3	4	7

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 30TH day of December 2005.

Raphael Susnowitz

for Allen Lyons, Chief
Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: **Deutz AG**

Engine category: **Nonroad CI**

EPA Engine Family: **6DZXL06.5037**

Mfr Family Name: **BF6L914C**

Process Code: **New Submission**

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
CE118/5	BF6L914C	168.4@2300	80	61.3	615@1500	89	47.4	DDI, TC, SAC, SPL
CE118/6	BF6L914C	167.2@2300	79	60.5	613@1500	89	47.4	DDI, TC,
CE118/7	BF6L914C	166.5@2150	83	59.4	675@1500	101	53.8	DDI, TC,
CE118/8	BF6L914C	165.5@2150	82	58.7	673@1500	100	53.3	DDI, TC,
CE112/2	BF6L914C	158.5@2150	79	56.6	615@1500	89	47.4	DDI, TC,
CE112/3	BF6L914C	157.5@2150	78	55.8	613@1500	89	47.4	DDI, TC,
CE121/2	BF6L914C	168.9@2000	89	59.3	675@1500	99	52.7	DDI, TC,
CE121/3	BF6L914C	168.1@2000	88	58.6	673@1500	99	52.7	DDI, TC,
CE114/2	BF6L914C	159.6@2000	85	56.6	615@1500	89	47.4	DDI, TC,
CE114/3	BF6L914C	158.7@2000	84	55.9	613@1500	89	47.4	DDI, TC,
CE108/2	BF6L914C	151.5@2000	80	53.3	615@1500	89	47.4	DDI, TC,
CE108/3	BF6L914C	150.7@2000	79	52.6	613@1500	89	47.4	DDI, TC,
CE111/2	BF6L914C	153.7@1800	89	53.3	645@1500	95	50.6	DDI, TC,
CE111/3	BF6L914C	153.1@1800	88	52.7	715@1500	95	50.6	DDI, TC,
CE105/2	BF6L914C	145.7@1800	86	51.5	615@1500	89	47.4	DDI, TC,
CE105/3	BF6L914C	145.1@1800	85	50.9	613@1500	89	47.4	DDI, TC,
CE99/2	BF6L914C	137.6@1800	82	49.1	615@1500	89	47.4	DDI, TC,
CE99/3	BF6L914C	137@1800	81	48.5	613@1500	89	47.4	DDI, TC,
CE122,3	BF6L914C	174.2@2300	85	65.1	660@1500	98	52.2	DDI, TC,