



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)
2005	5DZXL06.5036	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 (NO<sub>x</sub>), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NO<sub>x</sub>), 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	NO <sub>x</sub>	NMHC+NO <sub>x</sub>	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 2	STD	N/A	N/A	6.6	3.5	0.20	20	15	50
		CERT	-	-	6.1	1.1	0.19	7	4	12

**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 20<sup>TH</sup> day of September 2004.

Allen Lyons, Chief  
Mobile Source Operations Division

# Engine Model Summary Form

Manufacturer: Deutz AG  
 Engine category: Nonroad CI  
 EPA Engine Family: 5DZXL06.5036  
 Mfr Family Name: BF6L914C  
 Process Code: New Submission

Attachment 1 of 1  
 UK-013-0154

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
DE140	BF6L914C	191,4@1800	113	67,7	FIXED	0	0	SPL 025, 0, AC
CE141/2	BF6L914C	202,2@2500	90	74,9	527,3@1600	106	56,5	SPL
CE141/3	BF6L914C	200,6@2500	89	74,1	525,8@1600	106	56,5	SPL
CE131/2	BF6L914C	188,8@2500	85	70,8	497,8@1600	101	53,8	SPL
CE131/3	BF6L914C	187,2@2500	84	69,9	496,3@1600	101	53,8	SPL
CE132/2	BF6L914C	187,2@2300	89	68,2	527,3@1600	106	56,5	SPL
CE132/3	BF6L914C	185,9@2300	88	67,4	525,8@1600	106	56,5	SPL
CE125/4	BF6L914C	177,8@2300	86	65,9	497,8@1600	101	53,8	SPL
CE125/5	BF6L914C	176,6@2300	85	65,1	496,3@1600	101	53,8	SPL
CE126/2	BF6L914C	177,3@2150	88	63	488,2@1600	98	52,2	SPL
CE126/3	BF6L914C	176,3@2150	87	62,3	487,5@1600	98	52,2	SPL
DE143,5	BF6L914C	195,7@1800	112	67,1	FIXED	0	0	SPL