



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)
2003	3DZXL05.7019	3.8, 5.7	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Smoke Puff Limiter, Turbocharger, Charge Air Cooler			Tractor	

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 < 75	Tier 1	STD	N/A	9.2	N/A	N/A	N/A	20	15	50
75 ≤ kW < 130	Tier 2	STD	N/A	N/A	6.6	5.0	0.30	20	15	50
130 ≤ kW < 225	Tier 2	STD	N/A	N/A	6.6	3.5	0.20	20	15	50
		CERT	-	5.6	5.9	0.8	0.15	7	1	18

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 9th day of December 2002.

Allen Lyons, Chief
Mobile Source Operations Division

Attachment 1 of 1

U-R-013-0090

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZX105.7019
 Mr. Family Name: BF4M2013C
 Process Code: New Submission

ENGINE MODEL SUMMARY FORM

1. Engine code	2. Engine Model	3. BHP@	RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ³ /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)	EM P _{br} , S _{PL} , T _G , M _K
CE63T	BF4M2013C	90	2100	69	31.7	395	84.9	28.1	EM	↑
CE74T	BF4M2013C	105	2100	80	36.6	458	98.6	32.6	EM	
CE81T	BF4M2013C	113	2100	86	39.4	502	108.0	35.8	EM	
CE88T	BF4M2013C	121	2100	92	42.2	526	113.2	36.2	EM	
CE103T	BF6M2013C	145	2100	81.0	50.7	663	101.0	47.3	EM	
CE118T	BF6M2013C	165	2100	92.0	57.9	758	115.0	54.0	EM	
CE119T	BF6M2013C	159	2100	86.0	55.8	730	108.0	52.0	EM	
CE127T	BF6M2013C	170	2100	92.0	59.6	780	115.0	55.6	EM	
CE138T	BF6M2013C	185	2100	100.0	64.7	847	125.0	60.4	EM	
CE85T	BF6M2013C	119	2100	67.0	41.7	546	83.0	38.9	EM	
CE92T	BF6M2013C	130	2100	73.0	45.5	595	90.0	42.4	EM	