

KUBOTA CORPORATION

EXECUTIVE ORDER U-R-025-0341 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)		
2008	8KBXL01.5FCC	1.499	Diesel	3000		
	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION			
E	Indirect Diesel Inje ngine Control Module (s		Generator Set			

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 STANDARD CATEGORY		EXHAUST (g/kW-hr)			OPACITY (%)				
POWER CLASS			HC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
8 ≤ kW < 19	Tier 4	STD	N/A	N/A	7.5	6.6	0.40	N/A	N/A	N/A
		CERT			6.2	1.0	0.21			

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 _____ /8 to day of June 2007.

Annette Hebert, Chief

Raphael Summit

Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: KUBOTA Corporation

Engine category: Nonroad CI

EPA Engine Family: 8KBXL01.5FCC

Mfr Family Name: N/A

Process Code: New Submission

	仗	4	
8.Fuel Rate: 9.Emission Control lbs/hr)@peak torque Device Per SAE J1930	N/A EM	EM, Electronic	
8.Fuel Rate: (lbs/hr)@peak torque	NA	NA	
7.Fuel Rate: mrrystroke@peak torque (lbs	NA	NA	
6.Torque @ RPM (SEA Gross)	NA	NA	
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	10.2	10.2	
4. Fuel Rate: 5. Fuel Rate: mrvstroke @ peak HP (lbs/hr) @ peak HP (for diesel only) (for diesels only)	33.8	33.7	
.BHP@RPM SAE Gross)	24.8@1800	24.5@1800	
1.Engine Code 2.Engine Model	D1503-M-BG-ET	D1503-M-BG-ET	
1.Engine Code	D1503-M-BG-ET01 D1503-M-BG-ET 24.8@1800	D1503-M-BG-ET02e D1503-M-BG-ET	i de la company