KUBOTA Corporation

EXECUTIVE ORDER U-R-025-0548 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)							
2012	CKBXL03.3BCC	3.318	Diesel	5000							
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION								
	Mechanical Direct In	ijection	Generator Set								

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), 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			E	EXHAUST (g/kW-l	OPACITY (%)					
POWER CLASS	STANDARD CATEGORY		ИМНС	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK	
19 ≤ kW < 37	Interim Tier 4	STD	N/A	N/A	7.5	5.5	0.30	N/A	N/A	N/A	
		CERT			6.3	1.2	0.15				

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

_ day of December 2011.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: KUBOTA Corporation

Engine category: Nonroad CI

EPA Engine Family. CKBXL03.3BCC

Mfr Family Name: N/A

Process Code: New Submission

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.Emission Control vice Per SAE J1930	EM Mechanical DI	EM		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)											· · · · · · · · · · · · · · · · · · ·					
8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930	N/A	NA		は、一般のでは、一般のでは、一般のでは、一般のでは、一般のでは、一般のできません。													(M)			
7.Fuel Rate: mm/stroke@peak torque	N/A	N/A	· · · · · · · · · · · · · · · · · · ·														· · · · · · · · · · · · · · · · · · ·			
6.Torque @ RPM (SEA Gross)	MA 25 W	N/A									· · · · · · · · · · · · · · · · · · ·							学校を保証しているという。		
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	19.9	19.9										- 1000年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の								
4. Fuel Rate: mm/stroke @ peak HP (for diesel only)	49.5	49.5			が、 学術を属されている。		小			1000年度								安全的 医克里氏		
3.BHP@RPM (SAE Gross)	48.9@1800	48.9@1800		1.							T.		では、 のでは、							
2.Engine Model	V3300-BG-ET	V3300-BG-ET	の 一般						400 mg				これに こうこうしゅうじき マンフル はる 変変をなる かんこうしょう しょうしょうしょう	意をいったとうなどは、						The second secon
1.Engine Code	· √3300-BG-ET01 ः	V3300-BG-ET01e				成場を 177 とした かまた							《通报》: 水型的水平 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(A)						