California Environmental Protection Agency

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)
2009	9KBXL01.3BCB	1.001, 1.335	Diesel	3000
	FEATURES & EMISSION		TYPICAL EQUIPMENT A	
	Indirect Diesel Inje	ection	Loaders, Other Industri	al Equipment

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			E	EXHAUST (g/kw-ł	ır)		OF	PACITY (%	<b>b</b> )
POWER CLASS	STANDARD CATEGORY		НС	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
8 <u>≤</u> kW < 19	Tier 4	STD	N/A	N/A	7.5	6.6	0.40	20	15	50
		CERT			6.1	1.7	0.18	7	3	16

**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 2008.

Rephard Samowith

Annette Hebert, Chief Mobile Source Operations Division

**Engine Model Summary Form** 

KUBOTA Corporation EPA Engine Family: 9KBXL01.3BCB Nonroad Cl Mfr Family Name: N/A Engine category: Manufacturer:

New Submission

Process Code:

Attachment

P. 1 of

1780-25-0371

20.7 10.4 46.3@2200 22.6 8.3 EM 10.4 18.8 11.3 40.3@2600 19.8 8.6 EM 11.3 40.3@2600 19.8 8.6 EM 11.2 4.56@2000 22.4 9.0 EM 11.3 40.62200 21.7 6.9 EM 19.3 8.3 4.4.5@1900 21.1 6.9 EM 19.3 9.2 4.5.6@2000 19.8 6.6 EM 19.7 9.2 4.5.6@2000 22.3 6.4 EM 19.3 10.6 5.7.9@1900 20.8 8.8 8.8 EM 19.1 10.6 5.7.9@1900 20.8 8.8 1.8 EM 19.1 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10	<b>BH</b> SAE	3.BHP@RPM (SAE Gross)
11.3 40.3@2600 19.8 8.6   11.2 45.9@24000 22.4 9.0   9.5 44.0@2200 21.5 7.9   8.4 45.6@1700 22.3 6.4   9.2 45.6@2000 19.8 6.6   9.2 45.6@2000 22.2 7.4   10.6 57.9@1900 20.8 8.8	23.5@3000	)
9.5 44.5@1900 21.5 7.9   8.7 44.5@1900 21.1 6.9   8.3 40.8@2000 19.8 6.6   9.2 45.6@2000 22.2 7.4   9.2 45.6@2000 22.2 7.4   9.2 45.6@2000 22.2 7.4   9.2 57.9@1900 20.8 8.8	D1005-ET [%.5 kv/ 24.8@3600 D1005-ET 24 R@3200	<b>-</b>
8.7 44.5@1900 21.7 6.9   8.4 45.6@1700 22.3 6.4   8.3 40.8@2000 19.8 6.6   9.2 45.6@2000 22.2 7.4   9.2 45.6@2000 22.2 7.4	21.6@2800	-
8.4 45.6@1700 22.3 6.4   8.3 40.8@2000 19.8 6.6   9.2 45.6@2000 22.2 7.4   10.5 57.9@1900 20.8 8.8	19.8@2700	1
8.3 40.8@2000 19.8 6.6   9.2 45.6@2000 22.2 7.4   10.6 57.9@1900 20.8 8.8	19.4@2600	
9.2 45.6@2000 22.2 7.4   10.6 57.9@1900 20.8 8.8	D1005-ET <b> 4.2 kw19.0@2500</b>	
	20.9@2800	
	24.8@2600	