

KUBOTA CORPORATION

EXECUTIVE ORDER U-R-025-0054 New Off-Road

Compression-lanition 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-45-9;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine 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)		
2002	2KBXL01.3BCC	0.898, 1.001, 1.335	Diesel	3000		
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION			
	Indirect Diesel Inj	ection	Generator Set , Other Industrial 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 STANDARD CATEGORY				EXHAUST (g/kw-ł	OPACITY (%)				
POWER CLASS			НС	NOx	NMHC+Nox	СО	PM	ACCEL	LUG	PEAK
8 <u><</u> KW < 19	Tier 1	STD	N/A	N/A	9.5	6.6	0.80	N/A	N/A	N/A
		CERT			5.5	2.8	0.35			

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 November 2001.

R. B. Summerfield, Chief

Mobile Source Operations Division

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Model Year:

2002

Manufacturer: KUBOTA Corporation

Engine Family: 2KBXL0

2KBXL01.3BCC

Attachment

Issued: Revised:

10/10/2001

E.O. Number:

U-R-25-54

Small Off-Road Engine Model Summary Form

Units for Table: hp

Model Sales Displ Bore/ Ignition Max Rated Speed Rated Torque Speed Emiss Case?											
X D905-BG-E1 50-State 898 72/73.6 N/A 13.0 9. 8 1800 N/A N/A IDI D1005-BG-E1 50-State 1001 76/73.6 N/A 14.5 1800 N/A N/A IDI		Model	Sales	Displ	Bore/	Ignition	Max	Rated Speed	Rated	Torque Speed	
V1305-BG-E1 50-State 1335 76/73.6 N/A 19.0 以 3 1800 N/A N/A IDI		D905-BG-E1			}	1 -	13.0	9.8 1800			
		V1305-BG-E1	50-State	1335	76/73.6	N/A	19.0	14.3 1800	N/A	N/A	IDI
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