

KUBOTA CORPORATION

EXECUTIVE ORDER U-L-016-0040-2 New Off-Road Large Spark-Ignition Engines At & Above 19 Kilowatts

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY NAME		ENGINE DISPLACEMENT (liters)	ENGINE CLASS		FUEL TYPE			
2011		KBXB.9622HF	0.962	> 825 cc - ≤ 1.0 liter		Gasoline, LPG			
DURABILITY HOURS		SPEC	IAL FEATURES & CONTROL SYSTEM	IS	TYPICAL EQUIPMENT USAGE				
1000		Three-W	ay Catalytic Converte	r	Aerial Lift, Other Industrial Equipment				
ENGINE MODELS (rated power in kilowatt, kW)		See Attachment							

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(3).

(g/kW-hr)	HC+NOx	со		
Standards	6.5	375		
Certification Levels	4.1	271		

BE IT FURTHER RESOLVED: That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(d) (certification and test procedures), 13 CCR Section 2404 (emission control labels), and 13 CCR Sections 2405 and 2406 (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.

This Executive Order hereby supersedes Executive Order U-L-016-0040-1 dated November 2, 2010.

Executed at El Monte, California on this _

Annette Hebert, Chief

day of December 2010.

Mobile Source Operations Division

Attachment 1 of 1

Model Year: _2011____ Manufacturer Name: _KUBOTA Corporation___ Engine Family: _BKBXB.9622HF__ OFF-ROAD LSI ENGINE SUPPLEMENTAL INFORMATION Page: _4____ Issued: _ 3/30/2010____ Revised: _10/27/2010___ E.O.#: __ U-L-016-0040_-2

S13.	S14.	S15. Sales Codes		S16.	S17.	S18.	S19.	S20.	
Engine	Engine	(Check ALL appropriate)		Eng. Displ. (Liters)	Rated Power (KW)	Rated Speed (RPM)	Peak Torque (N.M)	Peak Torque Speed	
Model	Code	арргорпасе)							
		Calif.	49-	50-					(RPM)
		Only	State	State					
WG972-GL- ET	WG972- GL-ET01			x	0.962	22.5 (gasoli ne)	3600	71.0	2400
						21.4 (LPG)	3600	68.1	2200
WG972-GL- ET	WG972- GL-ET01e			x	0.962	22.5 (gasoli ne)	3600	71.0	2400
						21.4 (LPG)	3600	68.1	2200
WG972-GL- ET	WG972- GL-ET02			x	0.962	21.4 (gasoli ne)	3300	71.0	2400
						20.5 (LPG)	3300	68.1	2200
WG972-GL- ET	WG972- GL-ET02e			х	0.962	21.4 (gasoli ne)	3300	71.0	2400
						20.5 (LPG)	3300	68.1	2200
WG972-GL- ET	WG972- GL-ET03			x	0.962	21.3 (gasoli ne)	3200	71.0	2400
						20.5 (LPG)	3200	68.1	2200
WG972-GL- ET	WG972- GL-ET03e			x	0.962	21.3 (gasoli ne)	3200	71.0	2400
						20.5 (LPG)	3200	68.1	2200
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