

KUBOTA CORPORATION

EXECUTIVE ORDER U-L-016-0123 New Off-Road Large Spark-Ignition Engines Above 19 Kilowatts

Pursuant to the authority vested in California 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-14-012;

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 ENGI		E CLASS	FUEL TYPE	
2019	ŀ	KBXB.9622KH	0.962	> 825 cc - ≤ 1.0 liter		Gasoline, LPG, CNG, Gasoline-LPG Dual Fuel, Gasoline-CNG Dual Fuel	
DURABILITY HOURS		EMISSION	CIAL FEATURES & CONTROL SYSTEM	TYPICAL EQUIPMENT USAGE			
1000		Three-Way Catalytic Converter, Heated Oxygen Sensors (2), Multiport Fuel Injection			Aerial Lift, Sweeper, Utility Vehicle		
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	20.6		
Standards	0.8			
Certification Levels	0.2	5.8		

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.

Executed at El Monte, California on this _____ day of November 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Attachment 1 of 1

Model Year: 2019	Page: 4
• Manufacture Name: KUBOTA Corporation	Issued:
Engine Family: KKBXB.9622KH	Revised:
OFF-ROAD LSI ENGINE SUPPLEMENTAL INFORMATION	E.O.#: 11-6-016 0123

S12. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S13.	S14.		S15.		S16.	S17.	S18.	S19.	S20.
Engine Model	Engine Code	Sales Codes (Check ALL appropriate)		Eng. Displ.	Rated Power	Rated Speed	Peak Torque	Peak Torque	
		Calif. Only	49- State	50- State	(Liters)	(kW)	(RPM)	(N.M)	Speed (RPM)
WG972-G-EF*	WG972-G-EF01			Х	0.963	23.10	3600	68.60	2400
WG972-GL-EF	WG972-GL-EF01			х	0.963	22.10	3600	66.60	2400
WG972-GN-EF	WG972-GN-EF01			Х	0.963	22.10	3600	66.60	2400
WG972-L-EF	WG972-L-EF01			х	0.963	20.40	3600	67.50	2000
WG972-N-EF	WG972-N-EF01			Х	0.963	19.00	3600	63.10	2000
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