

KUBOTA Corporation

EXECUTIVE ORDER U-R-025-0855 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in California 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-19-095;

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)			
2020	LKBXL.416KCB	0.417	Diesel	3000			
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
	Indirect Diesel Inje	ection	Pump, Generator Set, Auxiliary Power Unit, Carrier, Light Tower, Mini Backhoe, Roller, Nonroad Sweeper				

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):

POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)				OPACITY (%)			
			NMHC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
kW < 8	Tier 4 Final	STD	N/A	N/A	7.5	8.0	0.40	N/A	N/A	N/A
		CERT	-	-	5.8	4.8	0.19	-		

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 July 2019.

Allen Lyons, Chief

Emissions Certification and Compliance Division

Engine Model Summary Form

E0# U-R-0>5-0855 Date: 7/24/2019

Manufacturer:

KUBOTA Corporation

Engine category:

Nonroad Cl

EPA Engine Family:

LKBXL.416KCB

Mfr Family Name:

N/A

Process Code:

New Submission

Attachment page 1 of 1

4.Fuel Rate: 5. Fuel Rate: 7.Fuel Rate: 8. Fuel Rate: 6.Torque @ RPM 9. Emission Control 3.BHP@RPM 1.Engine Code 2.Engine Model (lbs/hr) @ peak HP mm/stroke@peak (lbs/hr)@peak mm/stroke @ peak HP (SAE Gross) Device Per SAE J1930 (SEA Gross) (for diesels only) (for diesel only) torque torque 17.8@2200 27.5 3.4 EM, IFI OC95-EF 9.7@3600 24.0 4.8 OC95-EF01 EM, IFI 9.4@3600 24.0 4.8 17.7@2200 27.5 3.4 OC95-EF OC95-EF02