CALIFORNIA
AIR RESOURCES BOARD

KUBOTA Corporation

EXECUTIVE ORDER U-R-025-0898
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	LKBXL03.3E1D	3.331	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Exhaust Gas Recirculation, Electronic Control Module, Periodic Trap Oxidizer, Diesel Oxidation Catalyst	Loader, Tractor, Compressor, Forklift, Mini Backhoe, Skid Steer Loader

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):
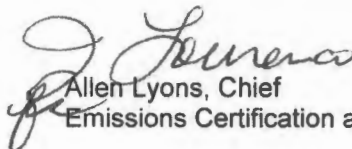
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
37 ≤ kW < 56	Tier 4 Final	STD	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		CERT	--	--	2.7	0.1	0.000	--	--	--

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 _____30th_____ day of August 2019.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Engine Model Summary Form

Attachment   page 1 of 1

Manufacturer:	**KUBOTA Corporation**
Engine category:	**Nonroad CI**
EPA Engine Family:	**LKBXL03.3E1D**
Mfr Family Name:	**N/A**
Process Code:	**New Submission**

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
C3.3B-CR-T-EW03	C3.3B-CR-T-EW	73.2@2400	53.0	28.4	192.5@1500	61.0	20.5	EM, DFI, TC, EGR, ECM, PTOX, DOC
C3.3B-CR-T-EW04	C3.3B-CR-T-EW	73.2@2200	55.1	27.1	192.5@1500	61.0	20.5	EM, DFI, TC, EGR, ECM, PTOX, DOC
D3.3H-CR-T-EW02	D3.3H-CR-T-EW	73.2@2600	50.4	29.3	192.5@1500	61.0	20.5	EM, DFI, TC, EGR, ECM, PTOX, DOC
D3.3H-CR-T-EW04	D3.3H-CR-T-EW	73.2@2200	55.1	27.1	192.5@1500	61.0	20.5	EM, DFI, TC, EGR, ECM, PTOX, DOC
V3307-CR-T-EW01	V3307-CR-T-EW	73.2@2600	50.7	29.5	212.2@1500	66.1	22.2	EM, DFI, TC, EGR, ECM, PTOX, DOC
V3307-CR-T-EW02	V3307-CR-T-EW	73.2@2600	50.4	29.3	192.5@1500	61.0	20.5	EM, DFI, TC, EGR, ECM, PTOX, DOC
V3307-CR-T-EW03	V3307-CR-T-EW	73.2@2400	53.0	28.4	192.5@1500	61.0	20.5	EM, DFI, TC, EGR, ECM, PTOX, DOC
V3307-CR-T-EW04	V3307-CR-T-EW	73.2@2200	55.1	27.1	192.5@1500	61.0	20.5	EM, DFI, TC, EGR, ECM, PTOX, DOC
V3307-CR-T-EW05	V3307-CR-T-EW	65.7@2000	54.8	24.5	194.0@1400	60.8	19.0	EM, DFI, TC, EGR, ECM, PTOX, DOC