

KUBOTA CORPORATION

EXECUTIVE ORDER U-R-025-0959

New Off-Road Compression-Ignition Engines Page 1 of 1

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)					
2021	MKBXL02.6GND	2.616	Diesel	5000					
SPECIAL	FEATURES & EMISSION C	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION						
Recircu	ctronic Direct Injection, lation, Electronic Contra ation Catalyst, Periodic	ol Module, Diesel	Loader, Tractor, Forklift, Mini Backhoe, Skid Steer Loade						

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	EMISSION				OF	OPACITY (%)				
POWER CLASS	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
19 ≤ kW < 37	Tier 4 Final	Final STD		N/A	4.7	5.5	0.03	N/A	N/A	N/A
		CERT			3.6	0.04	0.002			

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 on this <u>29th</u> day of December 2020.

Allen Lyons, Chief

Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-025-0959

Family: MKBXL02.6GND

Attachment Last Revised: 12/4/2020

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power - Fue Units	l Peak Torque		Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units		GHG	Special	Notes
	V2607-CR-EF01		I-4	2.616	Liters	35	kilowatt	2200	36.8	mm3/stroke	176.6	N-m	1600	41.2	mm3/stroke		N/A	N/A	N/A
	V2607-CR-EF02		I-4	2.616	Liters	35	kilowatt	2200	36.8	mm3/stroke	171.5	N-m	1500	40.2	mm3/stroke		N/A	N/A	N/A
72007 CIV EI	VZGG/ CIT ZI GZ			2.010	Liters		Miowace	2200	30.0	mms/seroke	171.5		1300	10.2	mms/seroke	14,71	1.47.	1.4,7.	