

## **KUBOTA CORPORATION**

## **EXECUTIVE ORDER U-R-025-1018**

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)					
2022	NKBXL02.6EMD	2.616	Diesel	8000					
SPECIAL	. FEATURES & EMISSION C	ONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION						
Cooler,	Direct Injection, Turbo Electronic Control Mod circulation, Diesel Oxida	ule, Exhaust Gas	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				EXHAUST (g/kw-l	OPACITY (%)				
POWER CLASS	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
19 ≤ kW < 56	Tier 4 Final	STD	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		CERT			3.4	0.7	0.01			

**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).

**BE IT FURTHER RESOLVED:** That for the listed engine models which include engines from different power categories in the same engine family, the manufacturer is complying with the more stringent set of standards from the 37 ≤ kW < 56 power category in conformance with the incorporated Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for New 2011 and Later Tier 4 Off-Road Compression Ignition Engines, Part 1-D" adopted October 20, 2005 and last amended October 25, 2012.

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 3rd day of November 2021.

Allen/Lyons, Chief

Emissions Certification and Compliance Division

Attachment: Engine Models EO #: U-R-025-1018 Family: NKBXL02.6EMD Attachment Last Revised: 10/19/2021

	C- d-	Tolor	C	Disclessore	Displacement -	David David	Peak Power -	Peak Power -	Peak Power -	Peak Power -	Dard Tarres		Peak Torque -	Peak Torque -	Peak Torque -	000	CUC	Constal	Notes
Model	Code		Config	Displacement	Units	Peak Power	Units	Speed (rpm)	Fueling	Fuel Units	Peak Torque	Units	Speed (rpm)	Fuel	Fuel Units	OBD	_	Special	Notes
	D2.6M-CR-TI-EF03	_	I-4	2.616	Liters	47.3	kilowatt	2400	43.0	mm3/stroke	221.7	N-m	1500	47.7	mm3/stroke	-	N/A	N/A	N/A
	V2607-CR-TI-EF01	_	I-4	2.616	Liters	52.2	kilowatt	2700	43.3	mm3/stroke	231.5	N-m	1600	50.0	mm3/stroke	_	N/A	N/A	N/A
	V2607-CR-TI-EF02		I-4	2.616	Liters	52.2	kilowatt	2700	43.3	mm3/stroke	221.7	N-m	1600	47.5	mm3/stroke		N/A	N/A	N/A
	V2607-CR-TI-EF03	_	I-4	2.616	Liters	47.3	kilowatt	2400	43.0	mm3/stroke	221.7	N-m	1500	47.7	mm3/stroke	-	N/A	N/A	N/A
V2607-CR-TI-EF	V2607-CR-TI-EF04		I-4	2.616	Liters	44.3	kilowatt	2200	43.2	mm3/stroke	221.7	N-m	1500	47.7	mm3/stroke	_	N/A	N/A	N/A
V2607-CR-TI-EF	V2607-CR-TI-EF05		I-4	2.616	Liters	42.4	kilowatt	2000	44.7	mm3/stroke	217.0	N-m	1300	48.2	mm3/stroke	N/A	N/A	N/A	N/A
V2607-CR-TI-EF	V2607-CR-TI-EF06		I-4	2.616	Liters	36.0	kilowatt	2000	38.9	mm3/stroke	206.7	N-m	1300	45.8	mm3/stroke	N/A	N/A	N/A	N/A
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