

KUBOTA CORPORATION

EXECUTIVE ORDER U-R-025-1003

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	NKBXL02.4EKC	2.435	Diesel	5000					
SPECIAL	FEATURES & EMISSION (CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION						
Gas Recir	ic Direct Injection, Turb culation, Electronic Co ation Catalyst, Periodic	ntrol Module, Diesel	Generator Set						

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			ı	EXHAUST (g/kw-l	OPACITY (%)				
	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
19 ≤ kW < 37	Tier 4 Final	STD	N/A	N/A	4.7	5.5	0.03	N/A	N/A	N/A
		CERT			3.3	0.03	0.001			

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 5th day of October 2021.

Allen Lyons, Chief

Emissions Certification and Compliance Division

Attachment: Engine Models EO #: U-R-025-1003 Family: NKBXL02.4EKC Attachment Last Revised: 9/15/2021

Code	Trim	Config			Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling				Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
V2403-CR-T-BG-EF01		I-4	2.435	Liters	36.0	kilowatt	1800	45.5	mm3/stroke	191.0	N-m	1800	45.5	mm3/stroke	N/A	N/A	N/A	N/A
																		-
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	Code V2403-CR-T-BG-EF01			Code Trim Config Displacement		Code Trim Config Displacement Units Peak Power	Code Trim Config Displacement Units Peak Power Units	Code Trim Config Displacement Units Peak Power Units Speed (rpm)	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units Peak Torque	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units Peak Torque Units	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units Peak Torque Units Speed (rpm)	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units Peak Torque Units Speed (rpm) Fuel	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units Peak Torque Units Speed (rpm) Fuel Fuel Units	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units Peak Torque Units Speed (rpm) Fuel Fuel Units OBD	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units Peak Torque Units Speed (rpm) Fuel Fuel Units OBD GHG	Code Trim Config Displacement Units Peak Power Units Speed (rpm) Fueling Units Peak Torque Units Speed (rpm) Fuel Units OBD GHG Special