

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	NKBXL02.4E1C	2.435	Diesel	5000				
SPECIAL	FEATURES & EMISSION C	ONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION					
Gas R	c Direct Injection, Turb ecirculation, Electronic Trap Oxidizer, Diesel (Control Module,	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			I	EXHAUST (g/kw-l		OPACITY (%)				
	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	со	РМ	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			3.5	0.03	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 on this $\frac{76k}{100}$ day of October 2021.

Allen Lyons, Chief Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-025-1011

 Family:
 NKBXL02.4E1C
 Attachment Last Revised:
 9/23/2021

					Displacement -		Peak Power -	Peak Power -	Peak Power -	Peak Power - Fue		Peak Torque -	Peak Torque -	Peak Torque -	Peak Torque -				
Model	Code	Trim	Config	Displacement	Units	Peak Power	Units	Speed (rpm)	Fueling	Units	Peak Torque		Speed (rpm)			OBD	GHG	Special	Notes
V2403-CR-NT-BG-EW	V2403-CR-NT-BG-EW01		1-4	2.435	Liters	32.2	kilowatt	1500	48.8	mm3/stroke	205.0	N-m	1500	48.8	mm3/stroke	N/A	N/A	N/A	N/A
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V2402 CD NT DC FW	V2403-CR-NT-BG-EW02			2.435	Literer	30.7	1.11	1500	46.5	mm3/stroke	195.4	N	1500	46.5		N1/A	N1/A	N1/A	N1/A
V2403-CR-INT-BG-EW	V2403-CR-INT-BG-EVV02		1-4	2.435	Liters	30.7	kilowatt	1500	40.5	mm3/stroke	195.4	N-m	1500	40.5	mm3/stroke	IN/A	N/A	N/A	N/A
V2403-CR-NT-BG-EW	V2403-CR-NT-BG-EW03		I-4	2.435	Liters	36.0	kilowatt	1800	45.6	mm3/stroke	191.0	N-m	1800	45.6	mm3/stroke	N/A	N/A	N/A	N/A
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