

KOHLER COMPANY

EXECUTIVE ORDER U-R-060-0071 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)			
2021	MKHXN02.5DIM	2.48	Diesel	5000			
SPECIAL	FEATURES & EMISSION O	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION				
Mechanic	al Direct Injection, Exhau	st Gas Recirculation	Auxiliary Marine Engine				

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), 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 STANDARD CATEGORY		EXHAUST (g/kw-hr)				OPACITY (%)			
POWER CLASS			NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
19 ≤ kW < 37	Tier 2	STD	N/A	N/A	7.5	5.5	0.60	N/A	N/A	N/A
		CERT			5.5	2.3	0.11			

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 certification to the standards in 13 CCR 2423(b)(1)(B) -Table 1b listed above has been permitted pursuant to Endnote 1 of the same table.

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 4th day of October 2020.

Allen Lyons, Chief

Emissions Certification and Compliance Division

Engine Model Summary Template

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EO# U-R-060-0071 Date: 9/28/2020

4. Fuel Rate: mm/stroke @ 5.Fuel Rate:
peak HP (lbs/hr) @ peak HP
(for diesel only) (for diesels only) 7.Fuel Rate: mm/stroke@peak torque 8.Fuel Rate: 6.Torque @ RPM (SEA Gross) (lbs/hr)@peak torque 9.Emission Control 3.BHP@RPM(SAE Gross) 2.Engine Model MKHXN02.5DIM KDI2504M 34.9 @ 1800 33.5 13.3 101.8 @ 1800 33.5 13.3 EGR, DDI 117.2 @ 1800 34.5 13.7 KDI2504M-G 40.2 @ 1800 34.5 13.7 EGR, DDI