

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	MMNBL12.4OR4	12.4	Diesel	8,000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Exhaust Gas Recirculation, Selective Catalytic Reduction-Urea, Ammonia Oxidation Catalyst			Tractors, Harvesters, Loaders, Pumps, Agricultural Equipment, Construction Equipment	

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 (NO_x), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NO_x), 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 STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NO _x	NMHC+NO _x	CO	PM	ACCEL	LUG	PEAK
130≤kW≤560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.06	0.37	--	0.3	0.02	--	--	--

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 29th day of December 2020.



Allen Lyons, Chief
 Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-067-0019

Family: MMNBL12.4OR4

Attachment Last Revised: 12/8/2020

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power - Fuel Units	Peak Torque Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
LE137	D2676	N/A	L6	12.4	Liters	404	kilowatt	1850	292	mm3/stroke	2520	N-m	1350	342	mm3/stroke	N/A	N/A	N/A	N/A
LE521	D2676	N/A	L6	12.4	Liters	383	kilowatt	1950	266	mm3/stroke	2420	N-m	1350	325	mm3/stroke	N/A	N/A	N/A	N/A
LE522	D2676	N/A	L6	12.4	Liters	353	kilowatt	1950	246	mm3/stroke	2305	N-m	1300	307	mm3/stroke	N/A	N/A	N/A	N/A
LE523	D2676	N/A	L6	12.4	Liters	323	kilowatt	1950	225	mm3/stroke	2108	N-m	1250	283	mm3/stroke	N/A	N/A	N/A	N/A
LE524	D2676	N/A	L6	12.4	Liters	294	kilowatt	1950	208	mm3/stroke	1916	N-m	1250	258	mm3/stroke	N/A	N/A	N/A	N/A
LE147	D2676	N/A	L6	12.4	Liters	373	kilowatt	1950	251	mm3/stroke	2520	N-m	1300	306	mm3/stroke	N/A	N/A	N/A	N/A