



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)
2020	LMNBL15.3OR4	15.3	Diesel	8,000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust Gas Recirculation, Selective Catalytic Reduction-Urea, Ammonia Oxidation Catalyst			Loaders, Tractors, Harvesters, Agricultural Equipment, Construction Equipment, Pumps	

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 STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	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	0.09	0.22	--	0.1	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).

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 at El Monte, California on this 22ND day of November 2019.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Attachment: 1/1

EO# = U-R-067-0012

Engine Model Summary Template

10/11/2019

Engine Family	1. Engine Code	2. Engine Model	3. BHP@RPM (SAE Gross)	4. Fuel Rate mm/stroke@peak HP (for diesel only)	5. Fuel Rate (lbs/hr)@peak HP (for diesel only)	6. Torque @ RPM (SAE Gross)	7. Fuel Rate mm/stroke @ peak torque	8. Fuel Rate (lbs/hr) @ peak torque	9. Emission Control Device Per SAE J1930
LMNBL15.3OR4	D3876	LE123	485 kW @ 1800 RPM	327	194	3000 Nm @ 1350 RPM	400	178	ECM, DI, TC, CAC EGR, SCR-U, AMOX
LMNBL15.3OR4	D3876	LE127	450 kW @ 1800 RPM	269	160	2900 Nm @ 1300 RPM	330	142	ECM, DI, TC, CAC EGR, SCR-U, AMOX
LMNBL15.3OR4	D3876	LE131	415kW @ 1800 RPM	251	149	2700 Nm @ 1300 RPM	306	131	ECM, DI, TC, CAC EGR, SCR-U, AMOX