

DAIMLER AG

EXECUTIVE ORDER U-R-016-0149

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)			
2021	MMBXL15.6RJD	15.6	Diesel	8000			
SPECIAL	FEATURES & EMISSION C	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION				
Cooler, Cataly Amm	Direct Injection, Turbo Engine Control Module /st, Selective Catalyst F onia Oxidation Catalyst xidizer, Exhaust Gas R	, Diesel Oxidation Reduction-Urea, t, Periodic Trap	Loader, Tractor, Dozer, Pump, Compressor, 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	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
CLASS			NMHC	NOx	NMHC+NOx	СО	PM	ACCEL	LUG	PEAK
130 <u><</u> KW <u><</u> 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.02	0.15		0.1	0.002			-

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-016-0149 Family: MMBXL15.6RJD Attachment Revised: 11/13/2020 Displacement -Peak Power -Peak Power -Peak Power -Peak Torque -Peak Torque -Peak Torque -Peak Power -Peak Torque -Model Code Trim Config Displacement Units **Peak Power** Units Speed (rpm) Fueling **Fuel Units** Peak Torque Units Speed (rpm) Fuel **Fuel Units** OBD GHG Special Notes OM473 473LA.E5-1 15.6 480 kilowatt 1600 lb/hr 3100 1300 178.3 lb/hr n/a Liters 209.8 OM473 473LA.E5-2 15.6 460 172.1 n/a L6 Liters kilowatt 1600 199.4 lb/hr 3000 N-m 1300 lb/hr OM473 473LA.E5-3 L6 15.6 Liters 430 kilowatt 1600 185.3 lb/hr 2850 N-m 1300 161.2 lb/hr n/a OM473 473LA.E5-4 L6 15.6 Liters 400 kilowatt 1600 171.7 lb/hr 2700 1300 152.3 lb/hr n/a OM473 473LA.E5-5 L6 15.6 Liters 380 1600 162.2 lb/hr 2600 1300 145.7 lb/hr n/a kilowatt N-m