

| | | |
|-----------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------|
|  | LIEBHERR CRANES, INC. | EXECUTIVE ORDER N-2021-100-05 New On-Road Heavy-Duty Motor Vehicles Equipped With Exempt Engines |
|-----------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------|

Pursuant to the authority vested in the California Air Resources Board by Health and Safety Code (HSC) Division 26, Part 5, Chapter 2;

Pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-19-095; and

Pursuant to the authority vested in the Executive Officer by Title 13, California Code of Regulations, (13 CCR) Section 1956.8(f)(1);

WHEREAS the engine required to propel the listed vehicle(s) is not available for sale in California for on-road use in the specified power rating;

IT IS ORDERED AND RESOLVED: That the motor vehicle produced by the manufacturer with a gross vehicle weight rating (GVWR) over 14,000 pounds is authorized to use the engine described below.

| ENGINE MANUFACTURER | | LIEBHERR MACHINES BULLE SA | | | | | * = not applicable |
|---------------------|------------------------|-------------------------------|---------------------------------|---------------------|------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ENGINE MODEL YEAR | ENGINE EXECUTIVE ORDER | ENGINE FAMILY NAME (or MODEL) | ENGINE'S INTENDED SERVICE CLASS | ENGINE SIZE (liter) | ENGINE FUEL TYPE | ENGINE RATED POWER (horsepower) | ENGINE'S EXHAUST EMISSION CONTROL SYSTEMS & SPECIAL FEATURES |
| 2021 | U-R-018-0184 | MLHAL12.0SQC | Off-Road | 12.0 | Diesel | 536 | Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst, DEF Quality Sensor |

BE IT FURTHER RESOLVED: That this Executive Order is limited to the vehicles listed below:

| NUMBER OF VEHICLES | VEHICLE TYPE | VEHICLE MAKE & MODEL | VEHICLE SERIAL NUMBER | ENGINE MODEL | ENGINE SERIAL NUMBER | EQUIPMENT SERIAL NUMBER |
|--------------------|----------------------------------|--------------------------------|-----------------------|--------------|----------------------|-------------------------|
| 1 | Mobile Crane (All Terrain Crane) | LIEBHERR LTM 1160-5.2 (536 hp) | WLFA53CZ2MEZZ0153 | D946 A7-04 | 2021 04 0505 | 069054 |

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed on this 26th day of July 2021.



Allen Lyons, Chief
Emissions Certification and Compliance Division