

|   |  |   |
|---|--|---|
|  | <p align="center"><b>LIEBHERR CRANES, INC.</b></p> | <p align="center"><b>EXECUTIVE ORDER N-2024-100-09</b><br/>New On-Road Heavy-Duty Motor Vehicles<br/>Equipped With Exempt Engines</p> |
|---|--|---|

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   |
| 2024                | U-R-018-0231           | RLHAL12.0SWC                  | Off-Road                        | 12.0                | Diesel           | 536                             | Turbocharger, Charge Air Cooler, Electronic Control Module, Electronic Direct Injection, Diesel Oxidation Catalyst, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst, Reductant Quality Sensor, Periodic Trap Oxidizer |

**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 1100-5.3 (536 hp) | WLFA50CZ5REZZ0038     | D946 A7-05   | 2023042768           | 054537                  |

Executed on this 26th day of April 2024.



Robin U. Lang, Chief  
Emissions Certification and Compliance Division