

| | | |
|---|--|---|
|  | MANITOWOC CRANES, NORTH AMERICA | EXECUTIVE ORDER N-2022-100-04 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 | | DAIMLER AG | | | | | * = 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-016-0148 | MMBXL12.8RJD | Off-Road | 12.8 | Diesel | 523 | Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Diesel Oxidation Catalyst, Exhaust Gas Recirculation, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst, 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) | GROVE GMK5250XL (523 hp) | W09250592MWG12535 | OM471LA.E5-1 | 471.945-C-0631295 | 5250 9535 |

Executed on this 28th day of April 2022.



Allen Lyons, Chief
Emissions Certification and Compliance Division