



## INDUSTRY FOCUS



## MARINE - VGP/EAL

Driven by the recent Vessel General Permit (VGP) requirements established by the Environmental Protection Agency (EPA), the use of an Environmentally Acceptable Lubricant (EAL) for all oil to sea interfaces for vessels unless technically infeasible has come to the forefront of the Marine Industry. The intent of this requirement is to reduce the environmental impact of lubricant discharges on the aquatic ecosystem by increasing the use of environmentally acceptable lubricants for vessels operating in waters of the United States.\*

\*Environmentally acceptable lubricants are defined in the VGP as lubricants that are biodegradable, minimally toxic and are not bioaccumulative.

# INDUSTRY APPLICATIONS

## WIRE ROPE

Steel wire rope is subject to not only a corrosive environment but extreme friction and heat generation. Choosing the right lubricant can prevent corrosion and abrasion, drastically lengthening the life of the rope.

### Recommended Product:

**JAX VG-Plus® Wire Rope Lube 00**

- Low toxicity
- Excellent load carrying capability
- Protection against rust and corrosion



## RUDDER BEARINGS/DECK EQUIPMENT

Using the right multi-purpose grease for plain and roller bearings used in fairleads, cranes, and rudders that meets EAL requirements and outperforms other greases on the market is key. JAX grease exceeds expectations while meeting industry regulations.

### Recommended Products:

**JAX VG-Plus® 1 (colder climates)**

**JAX VG-Plus® 2 (warmer climates)**

- Increased Component Life
- Corrosion Resistance
- Longer Maintenance Intervals



## GEARBOXES

Demand for gearboxes that exceed the highest standards of operational reliability and efficiency needed in ocean-going vessels continues to increase in the marine industry along with the need for a lubricant that can withstand these harsh and demanding environments. JAX biodegradable gear oil does just that.

### Recommended Product:

**JAX VG-Plus® Gear Oils ISO 150 to 680**

- Withstands Extreme Temperature and Heavy Loads
- Helps minimize downtime



## HYDRAULIC SYSTEMS

Hydraulic Systems require biodegradable, minimally toxic oils that meet VGP requirements. JAX meets these needs with product geared towards excellent wear protection for applications where spills or leakage would present an environmental hazard.

### Recommended Products:

**JAX Pyro Flow EHC ISO 46 (FM Global Approved)**

**JAX VG-Plus® Hydraulic Fluid ISO 32, 46, 68**

- Biodegradability
- Premium Anti-wear Protection
- Extended Temperature Protection and Performance



**JAX INC.**

Menomonee Falls, WI • Sacramento, CA • Nashville TN USA

262-781-8850 • 800-782-8850

[www.jax.com](http://www.jax.com)