



# EAL SOLUTIONS



# JAX Bio-Guard™ Products are Formulated to Minimize Environmental Impact While Maximizing Productivity

**EAL and YOU** - There are a lot of considerations when deciding on an environmentally acceptable lubricant for your organization and the customers you serve. Typically that decision has three main drivers - Performance, Compliance, and Cost. While every situation is different, the right answer for your organization is where those three influences intersect.

Our product development always begins with performance. You're purchasing a lubricant to protect and enhance your equipment's operation, regardless of industry. If our product doesn't perform that function, it's not the right choice for you. That's why our Bio-Guard products have undergone hundreds of hours of testing in the laboratory and in real-world work environments just like yours.

Environmental compliance can be complicated and rapidly changing. We are constantly looking at new technologies that will help you meet your unique compliance requirements without sacrificing performance. We stay connected to the major environmental requirements affecting your business to ensure that our Bio-Guard products are one less thing you have to worry about.

The true cost of any lubricant is not price alone. What must also be factored in is the savings realized by protecting and extending the life of your equipment, reducing downtime and increasing efficiency. It's very important to evaluate all of these factors when determining the true cost of a lubricant for your facility. Contact us today to find out how to lower your total cost of lubrication.

## GLOSSARY OF TERMS

**Environmentally Acceptable Lubricants (EAL)** - Environmentally Acceptable Lubricants are those that meet the requirements defined in the 2013 Vessel General Permit (VGP). Lubricants must meet standards established by the United States Environmental Protection Agency (U.S. EPA) for biodegradability, toxicity, and bioaccumulation.

**EU Eco-Label (EEL)** - The EU Eco-Label was developed to identify products that provide a reduced impact on the environment, contain a limited amount of hazardous substances, and perform as well or better than conventional products on the market.

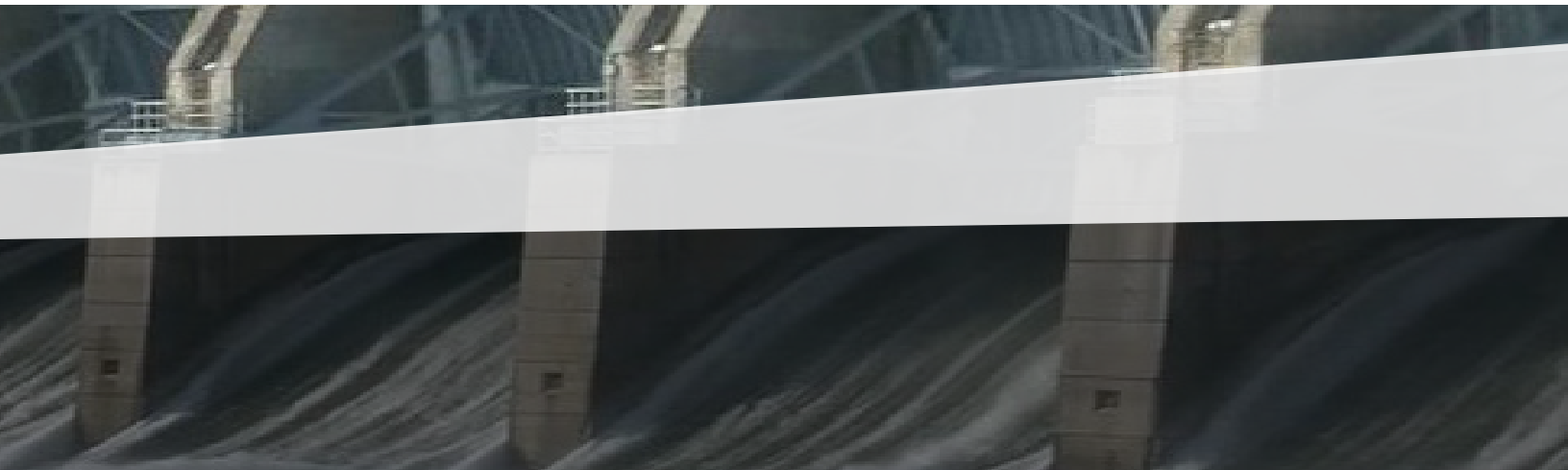
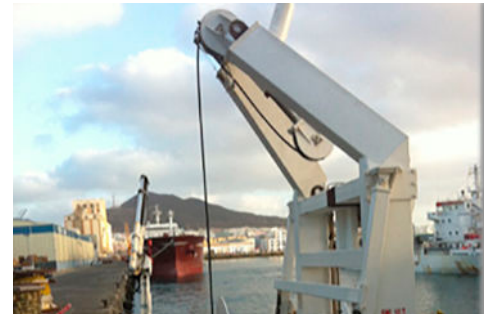
**Vessel General Permit (VGP)** - The Vessel General Permit was established to address the incidental discharge of pollutants, including lubricants, from commercial vessels greater than 79 feet operating within 3 miles of U.S. coasts and the Great Lakes. Amended in 2016 to include commercial vessels of any size, VGP requires affected vessels to use EALs in all applications with an oil-to-water interface.





## JAX Environmentally Acceptable Lubricants

PRODUCT TYPE	JAX EAL LUBRICANT	PRODUCT CHARACTERISTICS	APPLICATIONS
Hydraulic Oil	Bio-Guard™ Hydraulic Fluid ISO 32 Bio-Guard™ Hydraulic Fluid ISO 46 Bio-Guard™ Hydraulic Fluid ISO 68	<ul style="list-style-type: none"> <li>• Thermally Stable</li> <li>• Yellow Metals Compatible</li> <li>• Readily Biodegradable</li> <li>• VGP Compliant</li> </ul>	<ul style="list-style-type: none"> <li>• Seaborne Transit Vessels</li> <li>• Dredging Equipment</li> <li>• Mining Equipment</li> <li>• Dam/Lock Hydraulic Systems</li> <li>• Agriculture Equipment</li> <li>• Any Application where Ground or Water Contamination is a Concern</li> </ul>
Gear Oil	Bio-Guard™ Gear Oil ISO 100 Bio-Guard™ Gear Oil ISO 150 Bio-Guard™ Gear Oil ISO 220 Bio-Guard™ Gear Oil ISO 320	<ul style="list-style-type: none"> <li>• Hydrolytically Stable</li> <li>• Wide Operating Temperature Range</li> <li>• VGP Compliant</li> <li>• Meets European Eco-Label Standards</li> </ul>	<ul style="list-style-type: none"> <li>• Seaborne Transit Vessels</li> <li>• Dredging Equipment</li> <li>• Mining Equipment</li> <li>• Dam/Lock Equipment</li> <li>• Agriculture/Farming Equipment</li> <li>• Any Application where Ground or Water Contamination is a Concern</li> </ul>
Multi-Purpose Grease	Bio-Guard™ Grease 1 Bio-Guard™ Grease 2	<ul style="list-style-type: none"> <li>• NLGI Grade 1 and 2</li> <li>• Excellent Water Resistance</li> <li>• High Extreme-Pressure Protection</li> <li>• VGP Compliant</li> </ul>	<ul style="list-style-type: none"> <li>• Plain and Roller Marine Bearings</li> <li>• Marine Deck Equipment</li> <li>• Dam/Lock Equipment &amp; Bearings</li> <li>• Agriculture/Farming Equipment</li> <li>• Any Application where Ground or Water Contamination is a Concern</li> </ul>
Wire Rope Lubricant	Bio-Guard™ Wire Rope Lube 00	<ul style="list-style-type: none"> <li>• NLGI Grade 00</li> <li>• Superior Rust &amp; Corrosion Protection</li> <li>• VGP Compliant</li> </ul>	<ul style="list-style-type: none"> <li>• Winches</li> <li>• Cranes</li> <li>• Dam/Lock Equipment</li> <li>• Mining</li> <li>• Any Application where Ground or Water Contamination is a Concern</li> </ul>



## ABOUT JAX

JAX INC. is a US-based industrial lubricant manufacturer with expertise formulating high-performance synthetic lubricants, fleet and heavy-duty lubricants, industrial lubricants, biodegradable lubricants and food-grade lubricants. Since 1955, JAX has earned a worldwide reputation as a leader in emergent lubrication technology.

Our commitment to R&D brings continuously improved products and new technology to market. Expert chemists, engineers, and lab technicians work tirelessly with customers and industry leaders on product development, predictive maintenance, and used oil analysis to ensure that our customers enjoy advanced products and world class service and support.

Learn more at [www.jax.com](http://www.jax.com).

# ADVANCING THE SCIENCE OF LUBRICATION



**JAX INC.**

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