

# JAX BIO-GUARD™ WIRE ROPE LUBE 00

Environmentally Acceptable Grease for Wire Rope and Cable

## PRODUCT DESCRIPTION

JAX Bio-Guard Wire Rope Lube 00 is an EAL, Vessel General Permit compliant wire rope and cable grease for the most demanding industrial wire rope and cable applications where there is a potential for environmental impact. It has been developed to provide excellent rust and corrosion protection while minimizing both internal and external wear.

## PRODUCT BENEFITS

- **Conforms to Major Environmental Standards** – Provides excellent protection of wire ropes and cables while meeting the latest EAL standards including Vessel General Permit for Discharges Incidental to Normal Operation of Vessels (VGP). JAX Bio-Guard Wire Rope Lube 00 passes OECD 301 B – Test of Ready Biodegradability, OECD 202 – Test of Aquatic Toxicity based on Daphnia Magna and OECD 208 – Terrestrial Plant Toxicity Test. Additionally, JAX Bio-Guard Wire Rope Lube 00 meets the requirements of OECD 305 - Non-Bioaccumulation and has a biobased content over 80% according to ASTM D 6866.
- **Excellent Water Resistance** – A coating lubricant that will penetrate slightly and seal the outside of the wire rope or cable from moisture. It will adhere to the steel strands, forming a tenacious film to maintain a protective coating and improve water washout and water spray-off resistance.
- **Superior Rust and Corrosion Protection** – JAX Bio-Guard Wire Rope Lube 00 is specifically designed to seal the surface, providing a protective lubricating film and minimizing deterioration due to rust and corrosion caused by harsh environments.
- **Extreme-Pressure and Antiwear Performance** – Wire ropes and cables are continuously exposed to a variety of loads and pressures, causing the braided strands to move against each other. To resist internal wear of these strands, JAX Bio-Guard Wire Rope Lube 00 is fully formulated with environmentally safe extreme pressure and antiwear additives.

## MEETS EAL REQUIREMENTS

- US EPA Requirements for EAL Lubricants which meet Vessel General Permit for Discharge Incidental to the Normal Operation of Vessels (VGP)
- OECD 301 B – Test of Ready Biodegradability
- OECD 202 – Test of Aquatic Toxicity based on Daphnia Magna
- OECD 208 – Terrestrial Plant Toxicity Test
- OECD 305 - Non-Bioaccumulation



## APPLICATIONS

- Excellent choice for the most demanding industrial wire rope and cable applications where there is a potential for environmental impact.



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## TYPICAL PROPERTIES

## BIO-GUARD WIRE ROPE LUBE 00

## METHOD

|                                   |           |             |
|-----------------------------------|-----------|-------------|
| NLGI Grade                        | 00        |             |
| Penetration, Unworked             | 400-430   | ASTM D 217  |
| Penetration, Worked               | 400-430   | ASTM D 217  |
| Dropping Point, °F (°C), min      | 455 (235) | ASTM D 2265 |
| Oil Separation Test, %            | <10       | ASTM D 1742 |
| Base Fluid Viscosity @ 40°C, cSt  | 130       | ASTM D 445  |
| Base Fluid Viscosity @ 100°C, cSt | 22        | ASTM D 445  |
| Base Fluid Viscosity Index        | 198       | ASTM D 2270 |
| Base Fluid Flash Point, °F (°C)   | 619 (326) | ASTM D 92   |
| Rust Test                         | Pass      | ASTM D 1743 |
| Four-Ball Wear, mm                | 0.67      | ASTM D 2266 |

JAX products undergo continual improvement in formulation and manufacture. The values indicated in this PDS are typical production values at the time of this writing. JAX reserves the right to alter and update product data and typical values at any time without notice. It is the responsibility of the installer and/or purchaser to determine if these specifications are adequate and proper for the intended application. MSDS information may be found at [jax.com](http://jax.com) or by contacting JAX INC.

## COMPATIBILITY

JAX Grease compatibility studies have shown that JAX Bio-Guard Wire Rope Lube 00 possesses good compatibility with many popular wire rope lubricants currently on the market. Please contact your JAX Sales Representative with questions regarding specific applications.

## PACKAGING

### CONTAINER SIZE

### BIO-GUARD WIRE ROPE LUBE 00

|                |            |
|----------------|------------|
| 55 Gallon Drum | BGWROO-055 |
| 16 Gallon Keg  | BGWROO-016 |
| 5 Gallon Pail  | BGWROO-005 |