



Renewable Lubricants, Inc.

Distributed By: DM's Bio-Based Fluid Supply Inc.
10 McEwan Dr. W, Unit 4B
Bolton, ON, Canada L7E 1H1
Voice: 905.951.1100 Fax: 905.951.2100
www.dmsbiobased.ca

Bio-E.P.TM Wire Rope Compound (For Ferrous Metals Only) NLGI #1



"Bio-based Lubricants that Perform Like Synthetics"

Bio-E.P.TM Wire Rope Compound is a bio-based Extreme Pressure (EP) compound specially formulated for lubricating multi-strand cables and wire rope wound around central cores of steel or fiber. This product is fortified with sulphurized/overbased calcium sulfonate EP and anti-corrosion additives with exceptional properties that will lubricate at extreme high pressures (see 4-Ball and Timken EP Tests below). In addition, it provides excellent anti-wear and anti-seize protection and penetrates into the inner core of the wire rope. A unique bio-based thickener provides for good low temperature mobility and excellent resistance to water. Also, a high level of tackifier adds excellent adhesive properties to the application. It contains no heavy metals, lead, antimony, zinc, molybdenum disulfide or chlorine and is formulated to be ultimately biodegradable¹. Bio-E.P.TM Wire Rope Compound is an ENVIRONMENTALLY RESPONSIBLE product that is formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable materials.

Applications:

Bio-E.P.TM Wire Rope Compound is specifically designed to provide high anti-wear, EP, and anti-rust protection. It protects cables, sliding surfaces, and threads against damage from corrosion, galling or seizure. Other applications including: chains, slideways, fifth wheels, king-pins, chassis, hinge pins, or slow moving journal bearings. Field applications can be applied by spray, brush, dip, or pressure boot. **Note: This product is not to be used in high speed ball or roller bearings and could be staining to non-ferrous metals.**

Typical Specifications:

| | |
|---|---------------|
| Color | Amber |
| Texture | Smooth, Tacky |
| Penetration Worked ASTM D-217 | 310-340 |
| Base Oil Viscosity @ 40°C, cSt ASTM D-445 | 67.2 |
| Viscosity @ 100°C, cSt ASTM D-445 | 13.5 |
| Viscosity Index ASTM D-2270 | 208 |
| Pour Point ASTM D-97 | -21°C |
| Flash Point (COC) ASTM D-92 | 300°C |
| Corrosion Test ASTM D-665 | Pass Clean |
| Copper Corrosion ASTM D-130 | 4C |
| Cabinet Humidity ASTM D-1748 | > 60 days |
| Salt Fog Corrosion ASTM B-117 | >400 hrs. |
| 4-Ball Wear ASTM D-2266 | 0.40 mm |
| 4-Ball EP ASTM D-2596 | Weld 500 kg |
| | LWI 65 |
| Timken OK Load ASTM D-2509 | 70 lbs. |

STABILIZED by Renewable Lubricants* is RLI's trademark on their proprietary and patented anti-oxidant, anti-wear, and cold flow technology. High Oleic Base Stock (HOBS) are agricultural vegetable oils. This Stabilized technology allows the HOBS to perform as a high performance formula in high and low temperature applications, reducing oil thickening and deposits.

¹ Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants

* Trademark of Renewable Lubricants, Inc.

Copyright 1999 Renewable Lubricants, Inc.

Availability **F.O.B. :Bolton, ON, Canada** **35 lb Pails** **120 lb Kegs** **400 lb Drums**