



Renewable Lubricants, Inc.

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Bio-Graphite™ E.P. Grease NLGI #1



"Biobased Lubricants that Perform Like Synthetics"

Bio-Graphite™ E.P. Grease is a biobased Extreme Pressure grease specially formulated for sliding surfaces and applications where extreme pressure exceeds the fluid film. This product provides exceptional performance where a solid film lubricant is required. In addition, it provides good anti-rust, anti-oxidation, and anti-wear protection. The NLGI #1 grade lithium thickener provides for excellent pumpability in automatic lubricating equipment. It contains no heavy metals, antimony, zinc, or chlorine and is ultimately biodegradable¹. Bio-Graphite™ E.P. Grease is ENVIRONMENTALLY RESPONSIBLE grease that is formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable materials.

Application:

Bio-Graphite™ E.P. Grease is specifically designed for rail road tracks and other applications including: chains, cables, slideways, fifth wheels, king pins, chassis, hinge pins, or in slow moving rollers and bearings where a hydrodynamic lubricating fluid can not be developed. An example would be a bearing continually reversing under load in one direction and then another. In addition, Bio-Graphite™ E.P. Grease is recommended for high temperature oven chains and rollers where the graphite film has been known to perform up to 538°C (1000°F) and for kiln support rollers and bearings.

Typical Specifications:

Penetration Worked ASTM D-217	310-340
Base Oil Viscosity @ 40°C, cSt ASTM D-445	34
Viscosity @ 100°C, cSt ASTM D-445	7.8
Pour Point ASTM D-97	-21°C
Viscosity Index ASTM D-2270	215
Color	Grey-Black
Thickener	Lithium 12-OH Stearate
4-Ball Wear ASTM D-2266	0.54 mm
4-Ball EP ASTM D-2596	Weld 500 kg
Dropping Point ASTM D-2265	350°F

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

Patented Product with Pending and Foreign Patents

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**Availability F.O.B. :Manufacturer 14 oz. Tubes 35 lb Pails 120 lb Kegs 400 lb Drums
(8,000 Pound Minimum Batches)**