



EP Premium

Biodegradable Lithium Complex Grease

Description

Premium Grease is a premium quality biodegradable, water resistant Biotech based™ grease formulated with OptiBase™ Oils, lithium complex based thickener and extreme pressure additives for maximum performance. It meets NLGI's GC-LB specifications for fretting wear protection, oxidation & thermal stability, resistance for wear, rust & corrosion and compatibility with commonly used elastomers

Biobased

Biobased, biodegradable, non-bioaccumulative, non-aquatic toxic and not toxic to plants. Based on evaluation of the base oils and the finished products, the biobased products are designed to be biodegradable, aquatically non-toxic, not bioaccumulative and with no impact on plants as determined by known test methods. Nevertheless, the use of all the products are subject to the local ordinances and ultimate responsibility for impact remains with the users

Applications

- Suitable for Automotive, Chassis, Wheel Bearings.
- Recommended for fleet, farm, household and industrial applications
- Ideal for heavy load applications
- Designed for extreme pressure applications
- Recommended for environmentally sensitive areas near waterways

Benefits

- Extreme pressure additives minimize friction and wear
- High film strength of vegetable oil provides superior lubricity
- Excellent oxidative and high-temperature stability
- Higher flash point than petroleum greases for increased safety
- Conforms to EPA's EPP criteria
- Meets USDA's proposed Biobased product definition for EO 13101
- Compliant with UK and EU legislation for biodegradability
- Made from renewable natural crop based vegetable oils

Properties	Test Method	Typical Values
NGLI Grade		2
Appearance		Amber
Cone Penetration, Worked 60 strokes		260-290
Four Ball Wear Scar	(mm)	0.47
Four Ball Weld Load	(kg)	500
Dropping Point	°C, °F	270
Water Resistance @ 80°C (%Loss)		11.6%
Viscosity@ 40°C, cSt	ASTM D 445	86
Viscosity@ 100°C, cSt		16
Flash Point	°C, °F	326 (619)
Base Oil Aquatic Toxicity	Daphnia	Non- Toxic
Base Oil Biodegradability	OECD	Pass

Packaging	Weight Imperial	Weight Metric
Cartridge	14 oz	400g
Pail	35lb	15.88kg
Keg	120lb	54kg
Drum	400lb	181kg

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