

EcoLine® ELP

DESCRIPTION

EcoLine® ELP (Extreme Lubricant Penetrant) is a high performance biodegradable soy-based lubricant and penetrant for general purpose use. It is formulated from natural seed oils and select additives that offer lubricity and performance superior to conventional lubricants. Its excellent performance, biobased nature, and low environmental impact make EcoLine® ELP a highly desirable option for environmentally conscious industries.*

EcoLine® ELP can be used on all types of metal for multiple purposes around the shop, plant, or home. Whether lubricating moving parts, loosening rusty bolts, or cooling/lubricating basic metal cutting operations, EcoLine® ELP serves as an excellent all-purpose lubricant for general maintenance needs.

PACKAGING & STORAGE

Available in 13 oz. (371 g) aerosols**, EcoAir® cans, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

VpCI® POWERED LUBRICANTS AND GREASES



FEATURES

- Contains 95% USDA certified biobased content
- Superior lubricity and performance compared to conventional lubricants
- Made from renewable crop-based vegetable oils
- Safe for multi-metals
- Not toxic to plants
- High flash and fire points
- Chlorine-free
- Biodegradable

BENEFITS

- Protects against rust and corrosion
- Allows higher equipment operating speeds by cooling moving parts and reducing smoke
- Reduces need to stock multiple lubricants
- Repels water

APPLICATION

Apply to metal parts for

- General lubrication, penetration, and corrosion protection
- Milling, tapping, and reaming
- Cutting, grinding, and drilling
- Loosening rusty bolts
- Quieting squeaky hinges and moving parts

*It is always important to ensure that use and disposal of all materials is in accordance with local guidelines.

**Aerosol versions not official USDA Certified Biobased Products.

TYPICAL PROPERTIES

Physical Property	Test Method	Value	
Appearance	Visual	Light Yellow	
Viscosity @ 104 °F (40 °C)	ASTM D 445	40 cSt	
Viscosity @ 212 °F (100 °C)	ASTM D 445	8.5 cSt	
Flash Point	ASTM D 92	590 °F (310 °C)	
Fire Point	ASTM D 92	658 °F (348 °C)	
4-Ball Wear	ASTM D 4172	0.45mm	
4-Ball Weld	ASTM D 2783	Last Non-Seize, kg	126
		Weld Point, kg	250
		Load Wear Index	51.9
Pin & Vee Block Test	ASTM D3233A	3335 lbs	
Pour Point	ASTM D 97	-4 °F (-20 °C)	
Rust Prevention (Distilled)	ASTM D 665 A	Pass	
Rust Prevention (Syn. Seawater)	ASTM D 665 B	Pass	
Rust Prevention (Humidity Testing)	ASTM D 1748	Over 3000 hours	
Base Oil Aquatic Toxicity	Daphnia	Non-Toxic	
Base Oil Biodegradability	OECD	Pass	
Releasing Rusted Nuts/Bolts	Torque Testing	Comparable to WD-40 Smart Straw***	

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