



VpCI® METALWORKING PRODUCTS



# EcoLine® Drilling Rod Grease



## PRODUCT DESCRIPTION

EcoLine® Drilling Rod Grease is a premium quality biobased, biodegradable lubricant for drilling rod applications. It contains extreme pressure additives for excellent protection where constant drilling vibration creates a high load on drilling rod joints. EcoLine® Drilling Rod Grease is recommended for use in environmentally sensitive areas near waterways\*.

EcoLine® Drilling Rod Grease is formulated from vegetable oils and aluminum complex based thickener. It offers superior lubricity and reduces friction and wear, with a better coefficient of friction than most petroleum-based grease. EcoLine® Drilling Rod Grease also has a higher flash point than most petroleum greases, increasing safety and allowing use in high temperature applications. It is formulated to be applied to wet surfaces and is available in NLGI grades 1, 2, and 3.

## FEATURES

- Meets EPA's Environmental Preferable Purchasing (EPP) criteria
- Meets USDA's proposed biobased product definition for EO 13101
- Excellent for high-pressure, vibrating applications
- High flash point
- Biodegradable
- Not toxic to plants
- Can be applied to wet surfaces

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

## BENEFITS

- Reduces friction and wear
- Improves efficiency of operation
- Provides extreme pressure protection
- Replaces standard non-biodegradable aluminum-thickened grease with biodegradable counterpart

## APPLICATION

Apply to drilling rods where lubrication is needed.

## TYPICAL PROPERTIES

Physical Properties		Value
Appearance		Golden Brown
Cone Penetration, Unworked	NLGI Grade 1	310-340
	NLGI Grade 2	265-295
	NLGI Grade 3	220-250
Four Ball Wear Scar (mm)		0.55
Four Ball Weld Load (kg)		500
Dropping Point		390°F (199°C)
Oil Separation		<5%
Base Oil Viscosity	104°F (40°C)	185 cSt
	212°F (100°C)	28 cSt
Base Oil Viscosity Index		190
Base Oil Flash Point		619 °F (326°C)
Base Oil Biodegradability (OECD 301)		Pass
Base Oil Aquatic Toxicity (OECD 202)		Non-toxic
Base Oil Plant Toxicity (OECD 208)		Pass



## STORAGE AND PACKAGING

Available in 14 ounce (396 g) cartridges (12 per carton), 5 gallon (19 liter) pails, and 55 gallon (208 liter) drums.

To avoid separation, store in a cool, dry area at 32-86°F (0-30°C). EcoLine® Drilling Rod Grease should be stored in a sealed container. Exposure to high temperatures, dust, dirt, or other contaminants can severely deteriorate the quality of the product.

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT SAFETY DATA SHEET FOR MORE INFORMATION**

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