

# EcoLine® Heavy Duty Grease

## DESCRIPTION

EcoLine® Heavy Duty Grease is a premium quality biobased, biodegradable grease for extreme pressure applications in agriculture or industry. It is formulated with a vegetable oil base, lithium complex based thickener, and extreme pressure additives for superior lubricity and maximum performance under heavy loads. EcoLine® Heavy Duty Grease meets NLGI's GC-LB specifications for fretting wear protection, oxidation and thermal stability, and resistance to rust and corrosion.

EcoLine® Heavy Duty Grease is designed to be biodegradable and aquatically non-toxic with no impact on plants. It is recommended for use in environmentally sensitive areas near waterways.\*

## PACKAGING & STORAGE

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

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

- Ideal for heavy load applications
- High film strength for superior lubricity
- Excellent oxidation and thermal stability
- Manufactured from renewable USDA - grown crop base oils
- Compatible with commonly used elastomers
- Available in red, blue, or green colors

## BENEFITS

- Minimizes friction and fretting wear in extreme pressure areas
- Resists rust and corrosion
- Increases safety due to higher flash point than petroleum greases

## APPLICATION

Apply to metal contact areas where extreme pressure NLGI grade 2 grease is needed, including, but not limited to

- Automotive Chassis
- Wheel Bearings
- Gears
- Fifth Wheels
- Farm Equipment
- Vehicle Fleets

# EcoLine® Heavy Duty Grease

## TYPICAL PROPERTIES

Oil Characteristics		Typical Values
NLGI Grade		2
Appearance		Red, blue, or green
Cone Penetration, Worked 60 Strokes (ASTM D217)		260-290
Four Ball Wear Scar (ASTM D2266)		0.47 mm
Four Ball Weld Load (ASTM D2596)		500 kg
Dropping Point (ASTM D566)		518 °F (270 °C)
Water Resistance @ 176 °F (80 °C) (ASTM D1264)		11.6% Loss
Corrosion Protection (ASTM D1743)		Pass
Base Oil Viscosity	104 °F (40 °C)	220 cSt
	212 °F (100 °C)	36 cSt
Base Oil Flash Point		619 °F (326 °C)
Base Oil Biodegradability (OECD 301)		Pass
Base Oil Aquatic Toxicity (OECD 202)		Non-toxic

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