



## Renewable Lubricants, Inc.

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### Bio-Vacuum Pump™ Oil



### *"Biobased Lubricants that Perform Like Synthetics"*

Bio-Vacuum Pump™ Oil is an ultimately biodegradable<sup>1</sup> vegetable oil formula that is recommended in the dairy industry for automatic milking machines and most other vacuum pump applications. Can also be used as an AW hydraulic fluid and it contains rust, corrosion, oxidation and foam inhibitors. Performance is enhanced by use of the Stabilized HOBS's natural composition, which provides an oily boundary film. The super high viscosity index of the Stabilized HOBS adds additional lubrication qualities to this high performance lubricant

Bio-Vacuum Pump™ Oil is an ENVIRONMENTALLY RESPONSIBLE lubricant that is formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable materials.

#### Typical Specifications

<u>SAE Grade</u>	<b>10W30</b>
ISO Grade	46
API Gravity @ 60°F.	30.0
Specific Gravity @60°F.	0.876
VISCOSITIES:	
@100°C., cSt.	9.67
@40°C., cSt.	43.8
Viscosity Index	216
Flash Point, COC, °C.	243
Fire Point, COC, °C.	268
Pour Point, °C.	-36
Brookfield, @-25°C., cP, (D-2983)	3,000
MRV @ -30 °C, (TP-1)	8,000
Copper Corrosion Strip 3hr @ 100°C.	1B
4 Ball Wear, 1h, 167°F, 1200 RPM, 40kg	0.3-0.4
Demulsibility (D-1401)	40/40/0
Foam Sequence I, II, III (D-892)	0
Rust Prevention, (D-665)	Pass

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.

<sup>1</sup> Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants

Patented Product: US Patent 6,383,992, US Patent 6,534,454 with additional Pending and Foreign Patents

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**Availability** **F.O.B. :Hartville, Ohio, USA**

**5 Gallon Pails** **Drums** **Bulk**