



# Renewable Lubricants, Inc.

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## Bio-SynXtra™ 85W140 GL-5 Gear Lubricant



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

Bio-Synthetic™ 85W140 GL-5 is designed to meet/exceed the SAE J306 and SAE J2360 requirements for heavy transmissions, differentials, and transfer cases. Increasing the additive technology above GL-5 provides additional performance and Extreme Pressure (EP) protection for spiral bevel, worm, and hypoid gears. This biobased formula has combined Stabilized HOBS technology with synthetic base stocks to provide a super high viscosity index (VI) with fuel savings performance. The result is an inherently biodegradable product which has the long life heat stability but which additionally offers the protection advantages of increased gear life through extremely high film strength and excellent low temperature performance. This product may be used for top-off of differentials and is compatible with hydrocarbon and synthetic PAO based gear oils. Bio-SynXtra™ 85W140 GL-5 Gear Lubricant is an ENVIROMENTALLY RESPONSIBLE lubricant that is formulated from renewable agricultural resources. We believe Earth's environmental future rests in the use of renewable material.

#### Typical Specifications

<b>SAE Gear Grade</b>	<b>85W140</b>
Specific Gravity @60°F (D-287)	0.90
<b>VISCOSITIES:</b>	
@100°C., cSt. (D-445)	28
@40°C., cSt. (D-445)	195.2
Viscosity Index (D-2270)	182
Viscosity, Brookfield cP @ -12 °C	47,000
Flash Point, COC, °C (D-92)	254
Pour Point, °C (D-97)	-26
Copper Corrosion Strip 3hr @ 100°C (D-130)	1B
4 Ball Wear, 1h, 167°F, 1200 RPM, 40kg (D-4172)	.30
Demulsibility (D-2711)	Pass
Foam Sequence I, II, III (D-892)	Pass
Rust Prevention (D-665 A&B)	Pass

- Features**
- (1) Recommended for API Service Classifications GL-4, GL-5, and GL-6
  - (2) Super high viscosity index and low pour point for wide temperature usage
  - (3) Fortified with additional additives to resist wear, oxidation, rust and foam
  - (4) Exceeds U.S. Steel and AGMA antiwear and EP performance for industrial gear applications
  - (5) Excellent low temperature channeling and demulsibility properties
  - (6) Biodegradable and Energy Conserving

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.

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

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<b><u>Availability</u></b>	<b><u>F.O.B. :Hartville, Ohio, USA</u></b>	<b><u>Quart</u></b>	<b><u>1 Gallon</u></b>	<b><u>5 Gallon Pail</u></b>	<b><u>Drum</u></b>	<b><u>Totes</u></b>	<b><u>Bulk</u></b>
Item #		82161	82163	82164	82166	82167	82169