



Renewable Lubricants, Inc.

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Bio-SynXtra™ 80W90 GL-5 HD Gear Lubricant



"Biobased Lubricants that Perform Like Synthetics"

Bio-SynXtra™ 80W90 GL-5 HD is a Heavy Duty Gear Lubricant designed to meet/exceed MIL-L-2105, API GL-5, SAE J306 / SAE J2360, and including: Mercedes Benz 235.6, MAN 341 Z1 & Z2, ZF TE ML 01/05/07/08, Volvo 1273.10, Iveco. Eaton requirements for manual transmissions, differentials, and heavy equipment transfer cases. The GL-5 additive technology provides proven performance and Extreme Pressure (EP) protection for spiral bevel and hypoid gears. This biosynthetic formula has combined Stabilized HOBS technology with biosynthetic base stocks to provide a Super High Viscosity Index (VI) with fuel savings performance (Energy Conserving Formula). The result is a 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/transmissions and is compatible with hydrocarbon and synthetic PAO based gear oils. Bio-SynXtra™ 80W90 GL-5 HD Gear Lubricant is an ENVIRONMENTALLY RESPONSIBLE lubricant that is formulated from renewable agricultural resources. We believe Earth's environmental future rests in the use of renewable material.

Typical Specifications

SAE Gear Grade	80W90
Specific Gravity @60°F (D-287)	0.92
VISCOSITIES:	
@100°C., cSt. (D-445)	18.4
@40°C., cSt. (D-445)	111
Viscosity Index (D-2270)	185
Viscosity, Brookfield cP @ -26 °C	90,000
Flash Point, COC, °C (D-92)	260
Pour Point, °C (D-97)	-36
Copper Corrosion Strip 3hr @ 100°C (D-130)	1B
4 Ball Wear, 1h, 167°F, 1200 RPM, 40kg (D-4172)	.30
FZG Test (DIN 51517)	>12
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-5, MIL-L-2105, and, MT-1 non-synchromesh manual transmissions
 - (2) Super high viscosity index and low pour point for wide temperature usage
 - (3) Fortified with additives to resist wear, oxidation, rust and foam
 - (4) Exceeds U.S. Steel and AGMA antiwear and EP performance for industrial applications
 - (5) Excellent low temperature channeling and demulsibility properties
 - (6) Provides for extended service in Heavy Duty applications
 - (7) **Biobased/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 biobased 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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<u>Availability</u>	<u>F.O.B. :Hartville, Ohio, USA</u>	<u>Quart</u>	<u>1 Gallon</u>	<u>5 Gallon Pail</u>	<u>Drum</u>	<u>Totes</u>	<u>Bulk</u>
Item #		82131	82133	82134	82136	82137	82139