



## Renewable Lubricants, Inc.

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### Bio-Food Grade Gear Oil Super Heavy 2500 cSt.



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

RLI's Bio-Food Grade Gear Oil is for gear drives and right angle gear drives commonly used in food processing equipment; essentially odorless and tasteless. This super heavy 2500 cSt lubricant provides protection for large, slow moving gear sets and chain drives and may also be used in most any application with sliding surfaces. These gear sets do not require Hypoid level of EP and because of this, the lubricant most commonly specified by makers of these gear reducers is an R&O or GL-3 type circulating oil. RLI's new patented formula has improved performance over conventional products in terms of thermal shear and fluid film (viscosity index). This super high viscosity index allows this product to be energy conserving in the startup mode and provide improved load protection, reducing wear, during operation. Contains no animal byproducts and are manufactured under kosher supervision.

#### Typical Specifications

API Gravity @ 60°F. (D-287)	28.6
Pounds/Gallon @ 60°F.	7.36
Specific Gravity @60°F. (D-287)	.91
VISCOSITIES:	
@100°C., cSt. (D-445)	151
@40°C., cSt. (D-445)	2300
Viscosity Index (D-2270)	170
Flash Point, COC (D-92)	240.5 °C, 465 °F
Pour Point, °C (D-97)	-21
Copper Corrosion (D-130) 3hr @ 100°C	1B
Acid Number (D-974)	1.04
Demulsibility (D-1401) 10 minutes	40/40/0
Foam Sequence I, II, III (D-892) 10 minutes	0 Foam
Rust Prevention, (D-665 A&B)	Pass Clean
4 Ball Wear (D-4172), 1h, 167°F, 1200 RPM, 40kg	.34
Shell 4-Ball EP Test (D-2783)	
Weld Load/Load Wear Index	160-200/47
Timken OK Load Test (D-2782)	
'OK' Load, (lbs)	33/35
FZG Test (DIN 51517)	11
Rotary Bomb Oxidation Stability (D-2272)	250 minutes

- Features**
- (1) Meets American Gear and Manufacturing Association (AGMA) 10 Viscosity
  - (2) Super high viscosity index and low pour point for wide temperature usage
  - (3) Fortified with food grade additives to resist wear, oxidation, rust and foam

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> Base oils and additives in this product are listed in 21 CFR 178.3570, Lubricants for incidental food contact (USDA H-1). Full compliance with other applicable restrictions of FDA, USDA, oil spill, and oil pollution prevention statutes is recommended.

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

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