



Renewable Lubricants, Inc.
476 Griggy Rd., P.O. Box 474
Hartville, Ohio 44632-0474

Bio-SynXtra™ 80W140 GL-5 Gear Lubricant

Biobased Heavy-Duty Gear Lubricant for Differentials, Transmissions, and Transfer Cases

Bio-SynXtra™ 80W140 GL-5 Gear Lubricant is a biobased, inherently biodegradable, high-performance gear oil designed to meet or exceed SAE J306 and SAE J2360 requirements. It offers exceptional extreme pressure (EP) protection and high film strength for spiral bevel, worm, and hypoid gear systems. Formulated with Stabilized™ and synthetic base oils, this lubricant combines long-life heat stability with excellent low-temperature performance, while promoting environmental sustainability.

Benefits

- Meets or exceeds API GL-4, GL-5, and GL-6 service classifications
- Excellent wear, oxidation, rust, and foam resistance
- Super high viscosity index (VI) for wide temperature range performance
- Provides extreme pressure protection for extended gear life
- Excellent low-temperature channeling and demulsibility
- Compatible with hydrocarbon and synthetic PAO gear oils
- Inherently biodegradable and environmentally responsible

Application / New Filling

Recommended for:

- Differentials, transmissions, and transfer cases
- Spiral bevel, worm, and hypoid gears
- Automotive and industrial gear systems
- Heavy-duty trucks and off-road equipment
- Top-off and replacement for conventional or synthetic gear oils

Specifications and Approvals

- Meets SAE J306 and J2360
- API GL-4, GL-5, GL-6
- Exceeds U.S. Steel and AGMA antiwear and EP specs
- Stabilized™ HOBS Technology
 - U.S. Patents: 6,383,992 and 6,534,454
 - Additional foreign and pending patents



Typical Specifications	
SAE Gear Grade	80W140
Specific Gravity @60°F (D-287)	0.90
VISCOSITIES:	
@100°C., cSt. (D-445)	26
@40°C., cSt. (D-445)	164
Viscosity Index (D-2270)	194
Viscosity, Brookfield cP @ -26°C	77,000
Flash Point, COC, °C (D-92)	252
Pour Point, °C (D-97)	-36
Copper Corrosion Strip 3 hr @ 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
Item#	82150