

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

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

Bio-SynXtra™ 80W90 GL-5 HD Gear Lubricant is a heavy-duty, synthetic gear oil formulated to meet or exceed API GL-5, SAE J306, and SAE J2360 specifications. Developed with patented Stabilized™ technology and biosynthetic base oils, this lubricant delivers superior film strength, oxidation stability, and extreme pressure protection. It is designed for use in spiral bevel, hypoid gears, manual transmissions, and transfer cases in demanding automotive and industrial environments.

Benefits

- Meets/exceeds API GL-5, MIL-L-2105, MT-1 specifications
- Super High Viscosity Index for wide temperature range performance
- Excellent wear, oxidation, rust, and foam resistance
- High film strength for increased gear life and reliability
- Excellent low-temperature channeling and cold-start performance
- Energy-conserving and biodegradable formula
- Compatible with hydrocarbon and synthetic PAO-based gear oils
- Exceeds U.S. Steel and AGMA EP performance for industrial use

Application / New Filling

Recommended for:

- Differentials, transfer cases, and non-synchromesh manual transmissions
- Spiral bevel and hypoid gear systems
- Heavy-duty on-road, off-road, and industrial gear applications
- Top-off and replacement for conventional and synthetic gear lubricants

Specifications and Approvals

- API GL-5
- MIL-L-2105
- SAE J306 / SAE J2360
- MT-1 (manual transmissions)
- Meets OEM requirements including:
- Mercedes Benz 235.6
- MAN 341 Z1 & Z2, MAN 342 M1 & M2
- ZF TE-ML 01/05/07/08

STABILIZED™
by Renewable Lubricants

- Volvo 1273.10
- Iveco
- Eaton
- Stabilized™ HOBS Technology
- U.S. Patents: 6,383,992 and 6,534,454
- Additional foreign and pending patents

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 3 hr @ 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