



Synthetic GL-5 Gear Oil

Bel-Ray® Synthetic GL-5 Gear Oil is designed to provide superb performance for automobiles, light and heavy duty trucks and various industrial equipment when API Service Classification GL-5 and/or MT-1 is specified. This product is formulated with synthetic base stocks that have outstanding thermal oxidation stability. The additive system provides extreme pressure characteristics, anti-wear performance, rust and corrosion prevention and anti-foaming tendencies.

Bel-Ray® Synthetic GL-5 Gear Oil is available in SAE grades 75W-90 and 75W-140, and exceeds performance requirements as defined by API classifications GL-5 and MT-1.

VEHICLE BENEFITS

- Outstanding low-temperature shifting performance
- Maximum resistance to oxidation, sludge and varnish formation
- Protection against gear rust and corrosion
- Optimum fuel economy
- Superior wear protection for critical gear components
- Smooth shifting operation

PRODUCT FEATURES

- Superior base oil technology for maximum resistance to thermal breakdown
- Meets performance requirements for Dana/Eaton Roadranger 750,000 mile extended warranty program
- SAE grades 75W-90 and 75W-140 are formulated with limited-slip (LS) additive
- Special anti-wear chemistry for critical gear components from shock loading
- Resists deposit formation to protect seals from deterioration and prevent loss of fluids

APPLICATIONS

- API GL-5 (75W-90, 75W-140)
- API MT-1 (75W-90, 75W-140)
- Arvin Meritor axles (75W-90, 75W-140)
- Arvin Meritor 0-76-M (75W-140)
- Arvin Meritor 0-76-N (75W-90)
- Arvin Meritor 0-76-Q,R (75W-90, 75W-140)
- Dana SHAES 256 Rev C. (75W-90, 75W-140)
- Dana SHAES 429 Rev A. (75W-90, 75W-140)
- Dana SHAES 429 Rev A. (75W-90, 75W-140)
- Eaton (75W-90, 75W-140)
- Eaton SHAES 256 (E500) – (75W-90, 75W-140)
- Ford WSL-M2C192-A (75W-140)
- International TMS 6816 (75W-90, 75W-140)
- MACK GO-J Plus (75W-90, 75W-140)
- MIL-PRF-2105D (75W-90, 75W-140)
- MIL-PRF-2105E (75W-90, 75W-140)
- PG-2 Limited Slip (75W-90, 75W-140)
- SAE J-2360 (75W-90, 75W-140)
- Voith Turbo 132.00374401 (75W-90, 75W-140)
- Voith Turbo 132.00374402 (75W-90, 75W-140)
- Volvo 97310 (75W-90, 75W-140)
- Volvo 1273.10 (75W-90, 75W-140)

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Typical Physical Properties

Property	Test Method	75W-90	75W-140
API service		GL-5 & MT-1	GL-5 & MT-1
Gravity, API	ASTM D287	34.30	33.34
Viscosity @ 40°C, cSt	ASTM D445	96.3	187.1
Viscosity @ 100°C, cSt	ASTM D445	16.2	28.0
Viscosity Index	ASTM 2270	182	189
Flash Point, °C (°F)	ASTM D93	208 (406)	214 (417)
Pour Point, °C (°F)	ASTM D97	-51 (-60)	-53 (-63)
Brookfield Viscosity, cP	ASTM 2983	61,000 @ -40°C	137,000 @ -40°C
Pounds per Gallon	ASTM D1250	7.11	7.15

Minor variations in typical physical properties may occur from normal manufacturing processes

DISTRIBUTED BY:

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