



GL-5 Gear Oil

Bel-Ray® GL-5 Gear Oil is designed to provide superb performance for automobiles, light and heavy duty trucks and various pieces of industrial equipment when API Service Classification GL-5 and MT-1 are specified. This product is created with quality 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® GL-5 Gear Oil is available in SAE grades 80W-90 and 85W-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
- SAE grades 80W-90 and 85W-140 are formulated with limited-slip (LS) additive
- Special extreme pressure chemistry protects gears from shock load
- Resists deposit formation to protect seals from deterioration and prevent loss of fluids

APPLICATIONS

- API GL-5 (80W-90, 85W-140)
- API MT-1 (80W-90, 85W-140)
- Arvin Meritor axles (80W-90, 85W-140)
- Arvin Meritor 0-76-A (85W-140)
- Arvin Meritor 0-76-D (80W-90)
- Eaton (80W-90, 85W-140)
- Ford WSP-M2C197-A (80W-90)
- KOMATSU KES 07.861 (85W-140)
- IVECO (80W-90, 85W-140)
- MACK GO-G, H, J (80W-90, 85W-140)
- MIL-PRF-2105E (80W-90, 85W-140)
- PG-2 Limited Slip (80W-90, 85W-140)
- Renault (80W-90, 85W-140)
- SAE J-2360 (80W-90, 85W-140)
- Volvo 97310 (80W-90, 85W-140)
- Volvo 1273.10 (80W-90, 85W-140)
- ZF 07A (GL-5/MT-1), 16E (GL-5 with LS), 08 (GL-4, or GL-5/MT-1 – covers both), 12M (80W-xx or 85W-xx for trans)

GL-5 Gear Oil			
Typical Physical Properties			
Property	Test Method	80W-90	85W-140
API Service		GL-5 & MT-1	GL-5 & MT-1
Gravity, API	ASTM D287	27.38	26.01
Viscosity @ 40°C, cSt	ASTM D445	142.6	375.5
Viscosity @ 100°C, cSt	ASTM D445	14.7	26.8
Viscosity Index	ASTM D2270	102	96
Flash Point, °C (°F)	ASTM D93	161 (322)	208 (407)
Pour Point, °C (°F)	ASTM D97	-32 (-25)	-25 (-14)
Brookfield Viscosity, cP	ASTM D2983	133,525 @ -26°C	74,195 @ -12°C
Pounds per Gallon	ASTM D1250	7.42	7.48

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

DISTRIBUTED BY:

Calumet Branded Products, LLC
 2780 Waterfront Pkwy. E. Dr., Suite 200
 Indianapolis, IN 46214
 Technical Services: 317-328-5660
 www.belray.com

To the best of our knowledge, the information contained herein is accurate, but is given without warranty or guarantee. We assume no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any information or material for the use contemplated, the name of use and whether there is any infringement of patents is the sole responsibility of the user.