



Royal HD Multi-Purpose Gear Oil EP-GL4

Extreme Pressure Gear Oil

HD Multi-Purpose Gear Oil EP-GL4 is a multi-purpose type gear lubricant, which uses a sulfur-phosphorus additive treatment to provide extreme pressure properties. This Gear Oil is designed to protect critical automobile gears. The additives also supply anti-scuff and anti-wear properties to these gear oils.

HD Multi-Purpose Gear Oil EP-GL4 is blended to meet the multi-grade viscosity requirements described in the SAE J306a recommended practice. This oil is formulated with naturally high VI viscosity index improvers to meet the multi-grade viscometric properties of the grade offered. This lubricant will not lose viscosity through shear.

HD Multi-Purpose Gear Oil EP-GL4 is available in two viscosity grades (SAE 90 and 140) for use at ambient temperatures down to -15 F. Equipment manufacturers' recommendations should be followed when the gear lubricant is subject to high ambient temperatures.

Product Features:

- Maintains viscosity throughout its life
- Anti-scuff and anti-wear properties

Customer Benefits:

- Protects critical automobile gears
- For use down to -15 °F

Applications:

- **HD Multi-Purpose Gear Oil EP-GL4** may be used where the equipment manufacturer recommends a product at the lower performance level of former Military Specifications MIL-L-2105.
- This gear oil is recommended for conventional (manual) transmissions, differentials, final drives and other gear cases of trucks, buses, cars, farm tractors and earth moving equipment where extreme pressure, hypoid or multi-purpose gear oils of GL-4 performance level are required





Specifications and Approvals:

- API Service Classifications: GL-4 also GL-3 & GL-2

Typical Properties

HD Multi-Purpose Gear Oil EP-GL4

Product Number	284B	286D	Test Method
SAE GRADE	90	140	-
Viscosity @ 40°C, cSt	218.7	450	ASTM D445
Viscosity @ 100°C, cSt	19.1	30	ASTM D445
Viscosity @ 100°F, SUS	1156	2412	ASTM D445
Viscosity @ 210°F, SUS	97.2	147	ASTM D445
Viscosity Index	98	95	
Flash Point, °C (°F)	265 (510)	280 (537)	ASTM D92
Pour Point, °C (°F)	-17 (0)	-12 (10)	ASTM D97
API	28.5	27.5	ASTM D4052

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:



55 Gal. Drums



275/300 Gal. Totes



>2,000 Gal. Bulk

