

PRODUCT DATA SHEET

Royal Multigear Select EP GL-5 *GL-5 Gear Oils for manual transmissions*



PRODUCT DESCRIPTION:

Royal Royal Multigear Select EP GL-5 is a multi-purpose type gear lubricant whose high performance level is obtained using a sulfur-phosphorus additive treatment. The selected additives provide extreme pressure properties to protect automotive gears, which may be operated under the most severe service conditions encountered in passenger cars, truck farm tractors, earth moving, construction and other heavy-duty equipment. These additives specifically supply anti-scuff, anti-weld and anti-wear properties necessary in heavy-duty service gear lubricants.

API SERVICE CLASSIFICATIONS: GL-5 & GL-4

Royal Multigear Select EP GL-5 is blended to meet the multi-grade viscosity requirements. These gear lubricants are formulated with naturally High VI solvent-refined base oils and thus do not require viscosity index improvers to meet multi-grade viscometric properties of grades offered. Because these lubricants do not contain VI improvers, they will maintain their viscometric properties throughout their useful life and will not lose viscosity through shear.

Equipment manufacturers' recommendations should always be followed when the gear lubricant is subject to high temperatures. While some gear sets are designed for year-round operation using an SAE 80W-90, others may require SAE 85W-140 for high temperature operation during the hot weather months.

Royal Multigear Select EP GL-5 meets performance requirements of military specification MIL-PRF-2105 and is designated for the highest severity of gear service, API service classification GL-5. Also, it meets Mack trucks GO-J specification requiring a thermally stable MIL-PRF-2105 gear oil with limited slip additive.

KEY FEATURES:

- All-climate, year round performance
- Improved component protection

CUSTOMER BENEFITS:

- Easier cold weather shifting
- Extended drain interval
- Fuel economy

APPLICATIONS:

Royal Multigear Select EP GL-5 are recommended for conventional (manual) type transmissions, differentials, final drives (except worm drives), and other gear cases of heavy trucks, buses and farm tractors where extreme pressure, hypoid or multi-purpose gear oils are specified by the equipment manufacturer. Also, this product may be used for passenger car limited slip axles.

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PACKAGING:

Tote, Drum, Pail and Quart

Typical Properties

	Multigear Select EP GL-5		
Product Number	267	268	Test Method
SAE Grade	80W90	85W140	
Viscosity @ 40C, cSt	149.5	343.4	ASTM D445
Viscosity @ 100C, cSt	15.2	24.99	ASTM D445
Viscosity @ 100F, SUS	825	1880	ASTM D2161
Viscosity @ 210F, SUS	81	126	ASTM D2161
Viscosity Index	103	99	ASTM D2270
Flash Point, C	256	282	ASTM D92
Pour Point, C	-26	-15	ASTM D97
Gravity, API	25.6	23.8	
Specific Gravity	0.8899	0.896	ASTM D4052
Timken OK, LBS	60	60	ASTM D2509
4-Ball Weld & LWI	250	250	ASTM D2596

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.