

Product Data Sheet

HB-1165 STARFIM E.P. GEAR LUBE

Multi-Viscosity
SAE Grades 80w/90 & 85w/140

DESCRIPTION:

HB-1165 STARFILM is a premium quality multi-purpose gear lubricants which provide superior performance that is obtained through the use quality base oils and a select extreme pressure additive system. These additives impart anti-weld, anti-scuff and anti-wear properties that are necessary in heavy duty service gear lubricants.

HB-1165 STARFILM provides excellent protection under the most severe conditions encountered in commercial transmissions, axles and final drives.

FEATURES/BENEFITS:

- Excellent product for use in heavy equipment applications which place higher performance demands on the drive train lubricants
- Exceptional reliability in today's drive train applications as well as in the older models
- Provides high thermal stability as well as oxidation resistance
- Protects against low speed/ high torque wear
- Excellent fluidity in low temperatures which reduces wear during start up
- Improved lubrication and extended seal life due to good foam control
- Limited Slip
- Meets Mil Spec PRF-2105

APPLICATIONS:

- Recommended for all on-highway heavy and light duty trucks, vans and buses requiring API GL-5 and/or MT-1 type fluids.
- Recommended for off-highway applications such as construction, mining, agriculture, and quarrying which require these type fluids.
- Not intended for transmissions in which engine oil or automatic transmission fluids are recommended.

HB-1165 will meet the following specifications*:

- API GL-5 (Limited Slip)
- API MT-1
- Mack GO-J
- MIL-PRF-2105E

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TYPICAL TEST DATA

PRODUCT	HB-1165	80W-90	85W-140
Viscosity ASTM D 445			
cSt @ 40°C		148	345
cSt @ 100°C		15.1	26.4
Viscosity Index ASTM D 2270		95	95
Pour Point, °C, ASTM D97		-26	-19
Flash Point, °C, ASTM D92		209	232
Density @ 15°C kg/1, ASTM D 4052		.895	.903

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.

***ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER FLUID FOR YOUR EQUIPMENT.**



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