

HP Gear Oil LS 90

HP Gear Oil LS 90 are formulated to meet the requirements of spin resistant (Limited Slip) differentials. This limited slip differential oil contains a unique friction modifier, as well as an Extreme Pressure additive package, making this fluid suitable for use in hypoid differentials that operating under severe conditions.

HP Gear Oil LS 90 is a specially formulated extreme pressure gear oil for differentials, transmissions and gear cases. It is also suitable for use in other truck, passenger car, commercial vehicle and earthmoving applications where SAE 85W-90 or SAE 90, API GL-5 is specified.

Available in SAE 90 and SAE 140 grades and both these oils are recommended for initial fill, refill or top-up of limited slip type differentials and normal hypoid type differentials.

Specifications and Approvals

HP Gear Oil LS 90*
API GL-5,
API GL-6 (Obsolete)
API MT-1
SAE J-2360
MIL-PRF 2105E
MIL-L-2105D
Borg Warner 5M-31, 5M-41
GM HN1561

*Check owners' manual before use.

Applications

HP Gear Oil LS 90 has got special friction modifier and extreme pressure additives, specifically designed for use in vehicles with Limited Slip Differential where API GL-5 and 90 grade oil is recommended.

Also, suitable for use in other truck, passenger car, commercial vehicle and earthmoving applications where SAE 85W-90 or SAE 90, API GL-5 is specified.

Features and Benefits

Superior Protection

HP Gear Oil LS 90 fight the major causes of gear failure –deposits, rust and wear.

Extreme Pressure Properties

The advanced Extreme Pressure additive ensures maximum wear protection and enhances component life.

Limited Slip Properties

Balanced friction characteristics for effective operation of limited slip differentials throughout the drain interval.

Viscosity Control

Wide operating range delivers enhanced component durability and protection.

Wear protection

The advanced Anti-wear additive system ensures maximum wear protection and enhances component life.

Quite Operation

Additive system provides shudder free operation, smooth, non-stick slip operation.

PRODUCT INFORMATION



Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit www.valvoline.com.au or contact the Technical Hotline on 1800 804 658 for product recommendations.

Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline™ specifications, variations in these characteristics may occur.

HP Gear Oil LS 90	Typical
SAE Viscosity Grade	90
Viscosity @ 100 °C, mm ² /s, ASTM D445	18.0
Viscosity @ 40 °C, mm ² /s, ASTM D445	195.7
Viscosity Index, ASTM D2270	100
Density @ 15 °C, kg/L, ASTM D4052	0.898
Flash Point (COC), °C, ASTM D92	230
Pour Point, °C, ASTM D5950	-24

Note: HP Gear Oil LS 90 may be unsuitable for use in some applications, always consult owners' manual if in doubt.

This information only applies to products manufactured in the following location(s): Australia

Part Number	Pack Size
1245.01	1L
1245.04	4L
1245.20	20L
1245.52	60L
1245.51	205L
1245IBC	IBC

Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website www.valvoline.com.au

Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60 °C, exposed to hot sun or freezing conditions.

Author:

FM - Effective 03-07-2017
Replaces - 1245/02