

## HP Gear Oil 80W-90

HP Gear Oil 80W-90 is formulated to meet the requirements of driveline manufacturers who recommend an API Service Classification GL-5 gear oil and is suitable for use in standard and limited slip differentials. HP Gear Oil 80W-90 contain excellent extreme pressure performance additives coupled with LSD capability, ensures superior gear lubrication for passenger car and trucks whilst offering excellent thermal oxidation stability and corrosion protection.

HP Gear Oil 80W-90 is recommended for use in automotive manual transmissions, hypoid differentials and spiral bevel rear axles/transaxles where an API GL-5 gear oil is specified. Available in SAE 85W-140 viscosity grade.

### Specifications and Approvals

HP Gear Oil SAE 80W-90*
SAE 80W-90
API GL-5
API MT-1
Ford WSP-M2C197-A
Arvin Meritor O76-D
MACK GO-J
MIL-PRF-2105E, MIL-L-2105D
SAE J2360 <i>Approved</i>

\*Check owners' manual before use.

### Applications

HP Gear Oil 80W-90 is suitable for use in Passenger car, 4WD, SUV, light and heavy commercial applications where API GL-5 specification is recommended such as,

- Hypoid Differentials
- Limited Slip Differentials (LSD)
- Manual Gearboxes
- Transfer case
- Transaxles

### Features and Benefits

#### **Superior Protection**

HP Gear Oils 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.

#### **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.

#### **Superior Water Separation**

Very good demulsibility performance for enhance rust protection, longer fluid life and increased component life.

# 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](http://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	Typical
SAE Viscosity Grade	80W-90
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445	13.76
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	122.2
Viscosity Index, ASTM D2270	110
Density @ 15 °C, kg/L, ASTM D4052	0.887
Flash Point (COC), °C, ASTM D92	236
Pour Point, °C, ASTM D5950	-30

Note: HP Gear Oil 80W-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
1398.01	1L
1398.04	4L
1398.20	20L
1398.52	60L
1398.51	205L
1398IBC	1000L

## 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](http://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:

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