

## Duragear HD Gear Oil SAE 80W-90

Duragear HD Gear Oil SAE 80W-90 is a new-age multigrade semi-synthetic gear oil developed to meet the requirements of the heavy duty long haul transport industry. The oil also has high film-strength to protect gear sets at elevated temperatures, resulting in the minimisation of high temperature wear and ensuring long drain capability.

Duragear HD Gear Oil SAE 80W-90 contains extreme pressure additives, as well as rust, oxidation and corrosion inhibitors to protect gears and bearings operated under a wide variety of load conditions. The high and low temperature performance of this product exceeds those of conventional SAE 80W-90 hypoid gear lubricants.

### Specifications and Approvals

Duragear HD 80W-90*
API GL-5
API MT-1
MACK GO-J
MIL-L-2105D
MIL-PRF-2105E
SAE J2360

\*Check owners' manual before use.

### Applications

Duragear HD 80W-90 helps to increase gear and bearing life, and makes gear changing smoother. It has superior viscosity and long life additive technology characteristics, compared to conventional SAE 80W-90, and is especially suitable for heavy duty hypoid differentials, where API GL-5 grade is recommended.

Duragear HD 80W-90 can be used to replace a traditional 85W-140 in on highway long haul transport applications in conjunction with used oil analysis\* and in consultation with the manufacturer's warranty requirements.

### Features and Benefits

#### **Superior Protection**

Duragear protects against the major causes of gear failure system failure – deposits, rust and wear with its customised EP additive chemistry.

#### **Better Rust Prevention**

Rust and corrosion inhibitors provide better rust prevention

#### **Extended Drain Intervals**

High film-strength at elevated temperatures ensures long drain capability.

#### **Enhanced Durability**

Synthetic base oil provides better durability compared to a conventional SAE 80W-90 hypoid gear lubricants.

#### **Wear protection**

The advanced Extreme Pressure (EP) additives ensure excellent wear protection and enhanced component life.

#### **Superior Water Separation**

Very good demulsibility performance for rust prevention and longer fluid 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.

Duragear HD Gear Oil	Typical
SAE Viscosity Grade	80W-90
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445	16.71
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	160.6
Viscosity Index, ASTM D2270	111
Density @ 15 °C, kg/L, ASTM D4052	0.8901
Flash Point (COC), °C, ASTM D92	220
Pour Point, °C, ASTM D5950	-33

Note: Duragear HD 80W-90 gear oil 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
1289.20	20L
1289.51	205L
1289IBC	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](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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Replaces - 1289/04