

## Heavy Duty Axle Oil Pro 80W-90 LD

Heavy Duty Axle Oil Pro 80W-90 LD provides outstanding protection and lubrication of heavy-duty axles over a wide temperature range.

Heavy Duty Axle Oil Pro 80W-90 LD is OEM approved and formulated with the advanced additive technology to offer superior protection against wear and corrosion. Outstanding thermal stability over a wide temperature range and provides easier shifting at low-temperatures.

Heavy Duty Axle Oil Pro 80W-90 LD provides superior protection and lubrication of heavy-duty axles over a wide temperature range. Heavy Duty Axle Oil Pro 80W-90 LD is used in trucks, buses and earth moving equipment. Extreme Pressure additives in this Axle Oil are suitable for differentials and other transmissions when the manufacturer specifies a GL-5 gear oil.

### Specifications and Approvals

Heavy Duty Axle Oil Pro 80W-90 LD*
API GL-5
API MT-1
Arvin Meritor 0-76-D
MB - <a href="#">Approved</a> 235.20
MAN 342 Type M3 <a href="#">Approved</a>
SAE J2360
Scania STO 1:0
ZF TE-ML 05A, 12L, 12M, 16B, 17B, 19B, 21A <a href="#">Approved</a>
ZF TE-ML 07A, 08, 12E, 16C, 16D

\*Check owners' manual before use.

### Applications

Suitable for differentials and other axles of trucks, buses and earth moving equipment when the manufacturer recommends a GL-5 transmission oil with a viscosity of SAE 80W-90.

Heavy Duty Axle Pro 80W-90 LD is suitable for use in differentials fitted to trucks, buses and earth moving equipment. Also, suitable for passenger car, light commercial differentials and other transmissions where the manufacturer specifies GL-5 lubricant.

*This product is not for limited slip applications.*

### Features and Benefits

#### **Increased protection**

Increased protection against wear and tear, also under high stress working conditions.

#### **API MT-1**

API MT-1 spec provides protection against the combination of thermal degradation, component wear, and oil seal deterioration.

#### **Breakdown resistance**

Quality base oils and a highly balanced additive system avoid breakdowns even after long-time use.

#### **Consistent, stable viscosity**

Increased viscosity-temperature properties even at very low temperatures. Highly stable viscosity with long lasting lubricating properties.

#### **Extended oil drain interval**

Suitable for extended oil drain intervals where specified by the OEM.

#### **Advanced additives**

Increased additives protect against corrosion, oxidation, foaming, and deposits.

# 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.

Heavy Duty Axle Oil Pro 80W-90 LD*	Typical
SAE Viscosity Grade	80W-90
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445	14.5
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445 After shearing (CEC: L-45-T- 93).	Stay-in-grade
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	135
Viscosity Index, ASTM D-2270	107
Viscosity, mPa.s -40°C. ASTM D-5293	<150,000
Pour Point, °C, ASTM D-5950	-27
Specific Gravity @ 15.6 °C, ASTM D-4052	0.8960
Flash Point, COC, °C, ASTM D-92	>185

**Note:** Heavy Duty Axle Oil Pro 80W-90 LD may be unsuitable for use in certain 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
1338.51	205L

## 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:

VP - Effective 03-09-2021  
Replaces - 1338/02