

## Lubricants – Transmission Oils – Automotive

Version: 268/01

### Valvoline™ Heavy Duty Axle Oil 75W-90 LS

*Axle oil blended with synthetic technology for Limited Slip Axles of trucks, buses and other vehicles. EP axle oil is suitable for differentials where the manufacturer specifies GL-5 LS lubricant.*

Valvoline Heavy Duty Axle Oil 75W-90 LS is recommended for virtually all limited slip differentials where an SAE 75W-90 hypoid oil with adjusted slip properties is required. The product provides excellent protection and lubrication of the limited slip differential over a wide temperature range.

#### Performance levels

API: GL-5

#### Features & Benefits

##### Excellent protection

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

##### Advanced additives

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

##### Breakdown resistance

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

##### Consistent, stable viscosity

Excellent viscosity-temperature properties even at low temperatures. Highly stable viscosity with long-term multigrade advantages.

##### Limited Slip properties

Base oils and additives provide excellent limited slip properties resulting in suppressing noises that can occur in limited slip axles.

#### Applications

Suitable for limited slip differentials of trucks, buses and other vehicles where the manufacturer recommends GL-5 LS transmission oil with a viscosity of SAE 75W-90.

Limited Slip differentials are often mounted on 4WD vehicles where limited slip is necessary for driving in rough terrain.

The product is also suitable for trucks and buses with LS axles and even construction equipment where such oils are prescribed in axles and final drives. Also suitable for high powered cars with LS differentials.

# 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; 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.valvolineeurope.com](http://www.valvolineeurope.com)

## Typical properties

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

Valvoline Heavy Duty Axle Oil LS	
<b>SAE Viscosity Grade</b>	75W-90
<b>Viscosity</b> , mm <sup>2</sup> /s @ 100 °C. ASTM D-445	16,0
<b>Viscosity</b> , mm <sup>2</sup> /s @ 100 °C. After shearing (CEC: L-45-T-93).	Stay-in-grade
<b>Viscosity</b> , mm <sup>2</sup> /s @ 40 °C. ASTM D-445	90,5
<b>Viscosity Index</b> ASTM D-2270	190
<b>Viscosity</b> , mPa.s -40°C. ASTM D-5293	<150.000
<b>Pour Point, °C</b> ASTM D-5950	-42
<b>Specific Gravity @ 15.6°C.</b> ASTM D-4052	0,879
<b>Flash Point, COC, °C.</b> ASTM D-92	160

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

## Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet <http://msds.valvoline.com>

## Protect the environment

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

## 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.

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