

PRODUCT INFORMATION



Lubricants – Transmission Oils – Automotive

Valvoline™ Axle Oil 75W-90

Premium synthetic blend gear oil for passenger cars and vans.

EP gear oil suitable for differentials and transaxles where the manufacturer specifies an API GL-5 oil.

Valvoline Axle Oil 75W-90 provides excellent protection and lubrication of the differential and the transaxle over a wide temperature range.

Performance levels

API GL-5

ZF TE-ML 08

Applications

Developed for differentials and transaxles of passenger cars and vans where the manufacturer recommends a GL-5 transmission oil with a viscosity of SAE 75W-90.

Especially formulated for the lubrication of hypoid gears running at low and high speeds and with heavy and/or shock loads.

Suitable for high speed and/or long distance driving.

Features & Benefits

Excellent protection

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

Advanced additives

Excellent 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 very low temperatures. Highly stable viscosity with long-term multigrade advantages.

Fuel economy properties

Smoother lubrication contributes to better fuel economy. Increased oil circulation gives better cooling resulting in fuel savings.

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Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline Global Operations 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 <https://www.valvolineglobal.com/en-eur/> or <http://pisheets.valvolineglobal.com>

Health & Safety

For more information about environment requirements, product safe handling, storage, and disposal, please refer to the product Safety Data Sheet (SDS) available at <http://sds.valvolineglobal.com>

Typical properties

Valvoline Axle Oil	
SAE Viscosity Grade	75W-90
Viscosity @ 100°C, mm²/s ASTM D445	16.3
Viscosity @ 100°C, mm²/s After shearing (CEC: L-45-T-93)	Stay-in-grade
Viscosity @ 40°C, mm²/s ASTM D445	107
Viscosity Index ASTM D2270	164
Viscosity @ -40°C, mm²/s ASTM D5293	< 150 000
Pour Point, °C ASTM D5950	-42
Density @ 15°C, g/cm³ ASTM D4052	0.857
Flash Point, COC, °C ASTM D92	226

*The data provided is for reference only and can be applied only for the specific production location.

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

Effective date: 5/8/2026