

Lubricants – Transmission Oils – Automotive

Version: 242/02

Valvoline™ Heavy Duty Axle Oil Pro 80W-90 LD

Heavy Duty axle oil for trucks, buses and earth moving equipment.

EP axle oil provides extended drain and is suitable for differentials and other transmissions where the manufacturer specifies GL-5 lubricant.

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

O.E.M. approvals

MB-Approval 235.20
MAN 342 Type M3
ZF TE-ML 05A, 12L, 12M, 16B, 17B, 19B, 21A (ZF001837)

Performance levels

API: GL-5, MT-1
Arvin Meritor 0-76-D
SAE J2360
Scania STO 1:0
ZF TE-ML 07A, 08, 12E, 16C, 16D

Features & Benefits

Increased protection

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

Advanced additives

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

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.

API MT-1

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

Applications

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

Especially developed for heavy-duty machinery.

Not for limited slip applications.

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

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 Pro LD	
SAE Viscosity Grade	80W-90
Viscosity, mm²/s @ 100 °C. ASTM D-445	14,5
Viscosity, mm²/s @ 100 °C. After shearing(CEC: L-45-T-93).	Stay-in-grade
Viscosity, mm²/s @ 40 °C. ASTM D-445	135
Viscosity Index ASTM D-2270	107
Viscosity, mPa.s -26°C. ASTM D-5293	<150.000
Pour Point, °C ASTM D-5950	-27
Specific Gravity @ 15.6°C. ASTM D-4052	0,896
Flash Point, COC, °C. ASTM D-92	>185

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

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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.

Replaces – 242/01