Lubricants – Transmission Oils – Automotive

Version: **278/01**

Valvoline™ Light & Heavy Duty Gear Oil 80W-90

Gear oil for passenger cars, trucks and buses.
Mild EP gear oil is suitable for gearboxes and transaxles where the manufacturer specifies a GL-4 lubricant.

Performance levels
API: GL-4
ZF TE-ML 08, 24A

Applications

Valvoline Light & Heavy Duty Gear Oil 80W-90 provides increased protection and lubrication of the gearbox and the transaxle over a wide temperature range.

Suitable for manual transmissions and transaxles of passenger cars, trucks and buses where the manufacturer recommends a GL-4 transmission oil with a viscosity of SAE 80W-90.

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.

Smooth shifting
The product offers smooth gear shifting under a variety of temperatures.

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-term multigrade advantages.

VALVOLINE EUROPE
WIELDRECHTSEWEG 39
3316 BG DORDRECHT
NETHERLANDS

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 Light & Heavy Duty Gear Oil	
SAE Viscosity Grade	80W-90
Viscosity, mm^2/s @ 100 ºC. ASTM D-445	14,7
Viscosity, mm^2/s @ 40 ºC. ASTM D-445	152
Viscosity Index ASTM D-2270	95
Viscosity, mPa.s –26°C. ASTM D-5293	<150.000
TAN, mg KOH/g ASTM D-664	0,7
Pour Point, ºC ASTM D-5950	-33
Specific Gravity @ 15.6°C. ASTM D-4052	0,882
Flash Point, COC, ºC. ASTM D-92	244

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.

Replaces –

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