



PRODUCT INFORMATION

Lubricants – Transmission Oils – Automotive

Version: 259/04

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

Limited Slip Axle oil for trucks, buses, and other vehicles.

EP gear oil suitable for limited slip differentials and transaxles where the manufacturer recommends a GL-5 LS transmission oil.

Valvoline Heavy Duty Axle Oil Pro 80W-90 LS provides increased protection and lubrication of the limited slip differential over a wide temperature range.

OEM Approvals

ZF TE-ML 05C, 21C (ZF001996)

Performance levels

API GL-5

ZF TE-ML 07A

ZF TE-ML 08

Applications

Suitable for limited slip differentials of trucks, buses and other heavy duty vehicles where the manufacturer recommends a GL-5 LS 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

Increased 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.

Limited slip properties

Premium base oils and additives provide excellent limited slip properties resulting in suppressing the noise that can occur in limited slip axles.

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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
<https://www.valvolineglobal.com/en-eur/> or
<http://pisheets.valvolineglobal.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 LS	
SAE Viscosity Grade	80W-90
Viscosity, mm²/s @ 100°C ASTM D-445	14,3
Viscosity, mm²/s @ 100 °C After shearing (CEC: L-45-T-93)	Stay-in-grade
Viscosity, mm²/s @ 40°C ASTM D-445	127,0
Viscosity Index ASTM D-2270	113
Viscosity, mPa.s -26°C ASTM D-5293	< 150 000
TAN, mg KOH/g ASTM D-664	2,7
Pour Point, °C ASTM D-5950	-33
Specific Gravity @ 15.6°C ASTM D-4052	0,890
Flash Point, COC, °C ASTM D-92	218

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

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