



GearTex[®] EP-B 85W-90

Proven performance automotive gear lubricant

Product description

GearTex EP-B 85W-90 is a proven performance automotive gear lubricant suitable for API GL-5 applications.

This proven gear lubricant is formulated with a precise combination of quality mineral base oils and additives to provide robust performance throughout the fluid's service life.

Customer benefits

- Reliable shear stability ensures consistent viscosity throughout fluid service life
- Low temperature fluidity provides superior wear protection over standard SAE 90 during cold starts
- Robust EP performance reduces gear scuffing and wear
- Rust protection optimises component service life
- Oxidation resistance prevents oil thickening throughout oil lifetime
- Wide ranging elastomer compatibility protects seals and prevents fluid loss
- Foam suppression optimises lubrication performance

Product highlights

- **Reliable shear stability**
- **Low temperature fluidity**
- **Resists scuffing and wear**

Selected specification standards include:

API GL-5	Daimler
MAN	Volvo
ZF	ZF Lenksysteme

Applications

- Geartex EP-B 85W-90 is designed for use in automotive hypoid drive axles, steering systems, non-synchronized transmissions and transaxles which require a fluid with API GL-5 performance (equivalent to US Military specification MIL-L-2105B)
- The friction characteristics of Geartex EP-B 85W-90 make it unsuitable for use in most synchronized manual transmissions
- Operating temperatures of above 100°C will lead to a significant reduction in the fluid service life. Peak operating temperatures should not exceed 120°C

Approvals, performance and recommendations

Approvals

- Daimler MB 235.0
- MAN 342 Type M1
- ZF TE-ML 16C
- ZF TE-ML 17B
- ZF TE-ML 19B
- ZF TE-ML 21A

Performance

- API GL-5
- Volvo 97310-90
- ZF TE-ML 07A ^{1, 2}
- ZF Lenksysteme TE-ML 08 ¹
- ZF TE-ML 12A ³

Recommendations

- ZF TE-ML 05A ⁴

¹ Products meeting the necessary requirements for this specification are approved without listing

² For outside temperatures above -12°C.

³ Obsolete specification

⁴ Previously approved, but ZF has changed the technical requirements for inclusion in this list

Typical test data		
Test	Test methods	Results
Viscosity Grade		85W-90
Product Code		24208.2
Viscosity Kinematic, 40 °C, mm ² /s	ASTM D445	182
Viscosity Kinematic, 100 °C, mm ² /s	ASTM D445	16.8
Viscosity Index	ASTM D2270	97
Density, 15 °C, kg/l	ASTM D4053	0.900
Flash Point COC, °C	ASTM D92	220
Pour Point, °C	ASTM D97	-33

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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