

Gear ZF 80W90

Lubricant for hypoid transmissions

263535/07.17

Rev. 2

DESCRIPTION & APPLICATIONS

Gear ZF is an oil that is suitable for gear housings (rear axles, differentials) for passenger cars and trucks but is also used for industrial gearboxes. The high-quality mineral base oils and additives provide Gear ZF the following properties:

- Good anti-wear and extreme-pressure properties.
- Thermal stability and good oxidation resistance.
- Good fluidity at low temperature and an optimal lubrication at the start.
- Good shear stability
- No foaming.

There are 3 viscosities available in the Gear ZF family: 80W90, 85W90, 85W140. Gear ZF is because of its extreme-pressure properties ("EP" character) not suitable for contact with yellow metals (copper, bronze, ...)

ADVANTAGES

- All-round where an API GL-5 gear oil is required.
- The lubricant when homologation ZF TE-ML 16B / 17B / 19B or 21A is required.
- For industrial applications, cars, trucks, forklift trucks (axles) and farm machinery (tractor front axles, transmissions and final drives for harvesters ...)

PERFORMANCES

Satisfies to the following specifications:

API GL5

MB 235.0

DAF

KOMATSU KES07.861

MAN 342 M-1

MIL-L-2105D

RENAULT

VOITH 3.325-339

VOLVO 97310/97316

ZF-TE-ML 01/05A/07A/16B/16C/16D/17B/19B/21A

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ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
SAE grade	-	-	80W90
Specific gravity at 15°C	kg/m ³	ISO 3675	920
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	131
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	13,8
Viscosity Brookfield at -26°C	mPa.s	NFT 60152	125000
Viscosity index	-	NFT 60136	101
Flash point	°C	ISO 2719	222
Pour point	°C	ASTM D97	-27

The average values are given for information only.