

GEAR ZF

Lubricant for hypoid transmissions

210011-210012-210035/03.24

Rev. 5

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

DAF

FORD SR-M2C9102-A

KOMATSU KES07.861

MAN 342 M-1

MB 235.0

DTFR 12B100

MIL-L-2105C

MIL-L-2105D

RENAULT

VOITH 3.325-339

VOLVO 97310/97316

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

GEAR ZF

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		
			80W90	85W90	85W140
SAE grade	-	-	80W90	85W90	85W140
Density at 15 °C	kg/l	ASTM D4052	0,920	910	915
Kinematic viscosity at 40°C	mm ² /s.	ASTM D445	131	173	391
Kinematic viscosity at 100°C	mm ² /s.	ASTM D445	13,8	16,6	28,1
Viscosity CCS at -25°C	mPa.s	ASTM D2602	125000	130000	150000
Viscosity index	-	ASTM D2270	101	101	98
Flash point (COC)	°C	ASTM D 92	222	220	222
Pour point	°C	ASTM D97	-27	-24	-18
Product number	-	-	210011	210011	210012

The average values are given for information only.