

TRANSMISSIONS



AUTOMOTIVE LUBRICANTS

CEPSA EP FE+LD 75W90



DESCRIPTION

100% synthetic universal multi-grade extreme pressure lubricant oil (EP) for the rear axles which require a more effective oil in duration and friction than traditional oils used for this application. Specially recommended to improve the performance of SAE 80W-90 EP due to its wider temperature range.

PRODUCT APPLICATIONS

- On transmission shafts in various types and models of trucks.
- When greater scope of application is required in extreme temperatures (-40°C to +38°C).
- All types of back bridges and also manual boxes requiring API level MT-1/GL-5/GL-4, MIL-L-2105 D and MIL-PRF-2105 E.
- It can replace SAE 80W in the specifications: ZF TE-ML 02 and MAN 341.
- When a long-life oil is required: 120,000-160,000 km.
- In latest-generation boxes that require:
 - Very smooth shifting.
 - Good and accurate response of gear synchronisms

PRODUCT PERFORMANCE

- Excellent thermal stability (Mack T-2180 Test) and far superior to EP SAE 80W-90 minerals.
- Significantly improves gear tooth fatigue due to its high load capacity, shear stability and specific friction.
- Drastic reduction in deposit formation due to its high oxidation stability compared to SAE 80W-90 minerals.
- It increases "comfort" in driving given the smoothness of the transmission and noise reduction.
- It doubles the life of the oil over the minerals, with the consequent increase of the drainage periods, producing an adequate cost effectiveness in the maintenance of the vehicles.
- Prevents premature deterioration of the transmissions when starting at low temperatures, resulting in fuel consumption savings.
- By reducing friction on the bridges, it enables greater leveraging of engine power.

QUALITY LEVELS

- API GL-5 / GL-4 / MT-1
- MAN 341 Type Z2 / E3
MAN 342 Type S1
- MB-Approval 235.8
- MIL-PRF-2105E
- SCANIA STO 1:1G
SCANIA STO 2:0A FS
- Volvo 97312
- ZF TE-ML
02B/05A/12L/12N/16F/17B/19C/21A^[1]
- Eaton Long Drain (300,000 km.)
- SAE J2360^[2]

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA TRANSMISSIONS EP FE+LD 75W90
SAE Grade			75W90
Density at 15°C	Kg/l	ASTM D-4052	0.867
Flash point COC	°C	ASTM D-92	180
Freezing point	°C	ASTM D-97	-42
Viscosity at 100°C	cSt	ASTM D-445	15.3
Viscosity at 40°C	cSt	ASTM D-445	106
Brookfield viscosity -40°C	PC:	ASTM D-2983	<150,000

HEALTH & SAFETY AND ENVIRONMENT

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.