

TRANSMISSIONS



MOTOR VEHICLE LUBRICANTS

CEPSA EP 80W90/85W140

DESCRIPTION

A mineral lubricant formulated to lubricate manual transmissions and automotive gears, where extreme pressure (EP) performance is required, in addition to good fluidity at low temperatures and viscosity that supports heavy loads and shock impact.

APPLICATION OF THE SAE 80W90 PRODUCT

- In synchronised manual transmissions.
- In differentials, axle shafts and final drives.
- On passenger vehicles and medium-weight vehicles (vans, 4-wheel drives)

FEATURES OF THE SAE 80W90 PRODUCT

- Due to its excellent fluidity at low temperatures, it improves friction, thereby reducing metal wear.
- Due to its multi-grade nature, it improves the operation of the synchronisations, thereby extending the life.
- Great load bearing capacity (EP), even under conditions in which gears are subjected to intense shocks.
- Excellent protection against rust and corrosion, thereby providing a longer useful life, without mechanical problems.
- They cover a greater temperature range than the MONOGRADE EP lubricants.

APPLICATION OF THE SAE 85W140 PRODUCT

- Manual transmissions on trucks, buses and construction machinery.
- Differentials, axle shafts and final drives of heavy equipment.
- In hypoid type gears of heavy duty transmissions.

FEATURES OF THE SAE 85W140 PRODUCT

- Increased extreme pressure (EP) characteristics; protection against wear on metal surfaces.
- Viscosity adapted to the impact load conditions, greater tenacity of the lubricant film, longer transmission life without problems.
- Adequate fluidity at low temperatures allows applications over a broad temperature range, thereby improving friction.
- Great resistance to rust allows applications at high temperatures without the risk of oil degradation.
- They cover a greater temperature range than the MONOGRADE EP lubricants.

SPECIFICATIONS

- API GL-5
- ZF TE-ML 05A/07A/12E/16B/17B/19B/21A^[1] (80W90)
- MIL-L-2105-D
- MAN 342 Type M2 (80W90)
- ZF TE-ML 05A/07A/12E/16D/21A^[2] (85W140)

[1] – ZF 000084

[2] – ZF 000085

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA TRANSMISIONES EP 80W90/85W140	
			80W90	85W140
SAE Grade				
Density at 15°C	Kg/l	ASTM D-4052	0,904	0,909
Flash point V/A	°C	ASTM D-92	214	216
Pour point	°C	ASTM D-97	-25	-12
Viscosity at 100°C	cSt	ASTM D-445	14,6	29,3
Viscosity at 40°C	cSt	ASTM D-445	134	342
Brookfield viscosity at -12°C	cP	ASTM D-2983	-	<150.000
Brookfield viscosity at -26°C	cP	ASTM D-2983	<150.000	-
Rust A		ASTM D-665	Pass	Pass

HEALTH & SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.

The typical values of the characteristics appearing in the table are average values given for guidance purposes. These values may be modified without any prior warning.