

PRODUCT & TECHNICAL DATA

EPX 80W-90 AND EPX 85W-140 Automotive gear oil

DESCRIPTION

EPX 80W-90 and EPX 85W-140 are extreme pressure, multigrade gear lubricants designed for service in gearboxes, differentials and final drives, requiring a hypoid or extreme pressure lubricant.

APPLICATIONS

EPX 80W-90 and EPX 85W-140 were developed for the lubrication of spiral bevel and hypoid differentials, but are also suitable for the lubrication of manual transmissions where the manufacturer recommends the use of an oil to API GL5.

These oils meet the requirements of:

- ZF TE-ML 05A,16B,17B,19B (SAE 80W-90).
- ZF TE-ML 05A,16D,19B (SAE 85W-140).

FEATURES/BENEFITS

EPX 80W-90 and EPX 85W-140 provide excellent protection to gears operating under the most severe service conditions and over a wide range of operating temperatures. They are designed to withstand high rubbing speeds and tooth pressures normally associated with hypoid gear sets, preventing welding, scuffing and galling of the gear teeth at their contact points.

EPX 80W-90 and EPX 85W-140 have excellent resistance to oxidation, thermal stability and offer good corrosion protection and anti-foaming properties.

Load carrying performance to API GL-5 provides excellent protection to gears operating under the most severe service conditions prolonging the life of components. Multigrade characteristics give wide operating temperature range with particular benefits in low temperature performance.

CARE AND HANDLING

Wash thoroughly after handling.

Keep container tightly closed and in a cool, well-ventilated area.

PACKAGING AND STORAGE

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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TECHNICAL DATA

TYPICAL CHARACTERISTICS	UNIT	TEST METHOD	VALUE	VALUE
EPX			80W-90	85W-140
SAE Number			80W-90	85W-140
Density @ 15°C	g/ml	ASTM D1298	886	920
Kinematic Viscosity @ 100°C	cSt	ASTM D445	14.2	28.5
Kinematic Viscosity @ 40°C	cSt	ASTM D445	140.3	365
Brookfield Viscosity @ -26°C	mPa.s	ASTM D2983	130,000	-
Brookfield Viscosity @ -12°C	mPa.s	ASTM D2983	-	150,000
Flash Point, PMCC	°C	ASTM D93	173	-
Pour Point	°C	ASTM D97	-30	-15

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

GENERAL ADVICE

Further information on all Castrol Marine lubricants is available from any Castrol Marine office or from:

Castrol Marine www.castrolmarine.com
Technology Centre
Whitchurch Hill
Pangbourne
Reading RG8 7QR
United Kingdom

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