



Texol Gearsyn™ EP Series

Technical Data Sheet

Texol Gearsyn™ EP Series

High performance multi-grade gear lubricant

Product Description

Texol Gearsyn™ EP is a Premium quality mineral based EP gear lubricant formulated refined paraffinic base oils and high performance additive systems.

Texol Gearsyn™ EP provides complete protection to automotive gearboxes, steering boxes, transaxles, hypoid rear axles, spiral bevel, two-speed and all double reduction rear axles, including worm gears, at a very wide range of ambient temperatures.

Texol Gearsyn™ EP is available in two viscosity grades;

- Gearsyn EP 80W-90
- Gearsyn EP 85W-140

Customer benefits

Texol Gearsyn™ EP delivers superior component protection during start-up and operation at very low ambient temperatures, providing exceptional oil fluidity and oil film integrity, resisting metal to metal contact, and wear. Texol Gearsyn™ EP also delivers high level gear and component protection at higher operational temperatures, maximising oxidation stability in demanding operations.

Advanced technology Texol Gearsyn™ EP, Texol gear and oil additive system optimise foam suppression, protect against rust, and elastomeric seal deterioration, preventing leakages.

Applications and Uses

- Recommended for automotive gearboxes, steering systems, transaxles and hypoid rear axles which specify an EP oil meeting API GL-5 also recommended for hypoid, spiral bevel, two-speed and all double reduction rear axles including worm gears.
- Texol Gearsyn™ EP should not be used in single reduction worm axles where the oil temperature exceeds 98°C, or in ZF manual gearboxes where a maximum GL-4 is required.

Specifications

- | | |
|-----------------|-----------------------------------|
| • ZF | TE-ML-05A / 07A / 12A (85W-140) |
| • ZF | TE-ML-16D (85W-140) |
| • ZF | TE-ML-17B (85W-140) |
| • MIL-L-2105C/D | (80W-90, 85W-140) |



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Typical Properties

Property (Unit)	EP 80W-90	EP 85W-140	Method
Density at +15 °C	898	906	DIN 51757
Viscosity @40°C, cSt	136	359.8	DIN 51550
Viscosity @100°C, cSt	14.2	26.0	DIN 51550
Viscosity Index	103	101	DIN ISO 2909
Flash Point, °C	216	218	DIN ISO 2592
Pour Point, °C	-32	-19	DIN ISO 3016
Four ball weld load, N	1600	1800	DIN 51350-02
Four ball wear test, mm		0.28	DIN 51350-03
FZG test (A/8.3/90)		>12	DIN 51354

Notes for Use

- Condensation water may be absorbed without the danger of corrosion or a change in viscosity.
- Texol Gearsyn™ EP lubricants are compatible with seals, e.g. NBR, FPM.
- They are compatible with nearly all conventional one-component and two-component lacquers.
- Quality standard: Texol Gearsyn™ EP lubricants are CLP oils and exceed the minimum requirements according to DIN 51517 for CLP gear oils