

Technical Data Sheet

Texol Gearsyn™ Marine SE Series

High performance gear oils based on synthetic ester oil with Texol special additive combination

Product Description

Texol Gearsyn™ Marine SE series solid-free performance gear oils.

Wear problems such as abrasion, surface fatigue (pitting), grey staining or problems during the running-in phase are solved. Compatible with non-ferrous metals. The additive combination adjusts itself to changing loads and actively prevents wear. Texol Gearsyn™ Marine SE gear oils are in conformity with an even exceed the requirements of DIN 51517.

Applications

- Texol Gearsyn™ Marine SE lubricants are recommended for the lubrication of a wide range of industrial, mobile and marine equipment.
- Long-term lubrication under the most extreme mechanical conditions, vibrations and elevated temperatures
- Spur and bevel gears, worm gears up to the medium load range
- All types of Rolling and sliding bearings
- Gear-tooth couplings and joints
- Highly loaded sliding surfaces
- Circulation systems

Advantages

- Extra ordinary load carrying capacity
- Optimum wear protection up to the highest load ranges
- Maximum reliability against grey staining
- Reduction of the coefficient of friction and temperature
- Improvement of surface even when damaged by micro smoothing effect
- Significantly shorter running in period
- High corrosion protection
- Free from solids due to oil soluble additive combination
- Extended oil change intervals even under extreme conditions
- Longer service life of gears
- Reduced energy, maintenance and disposal costs
- Biodegradable

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Typical Properties

Property (Unit)	SE100	SE150	SE220	SE320	SE460	SE680	Method
Density at +15 °C	1005	1007	1015	1023	1030	1040	DIN 51757
Viscosity @40°C, cSt	105	150	233	338	490	680	DIN 51550
Viscosity @100°C, cSt	11.5	14.8	19.1	26	32.3	41	DIN 51550
ISO Viscosity Grade	100	150	220	320	460	680	DIN 51519
Viscosity Index	178	179	185	183	183	180	DIN ISO 2909
Flash Point, °C	240	242	245	240	235	250	DIN ISO 2592
Pour Point, °C	-40	-38	-33	-30	-21	-17	DIN ISO 3016
Four ball weld load, N	1700	1700	1700	1900	1900	1900	DIN 51350-02
Four ball wear test, mm				0.55			DIN 51350-03
FZG test (A/8.3/90)				>14			DIN 51354

Notes for Use

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