

## Technical Data Sheet

### Texol Gearsyn™ Series

Premium performance extreme pressure gear lubricants

### Product Description

Texol Gearsyn™ series are range of Premium industrial EP gear lubricants provide very high wear protection and exceptional load-carrying capacity as well as protection against shock loads and micro-pitting. Texol Gearsyn™ industrial gear lubricants are designed to protect a wide variety of heavy-duty gear systems and bearings.

### Customer benefits

- Protection against gear wear, micro-pitting and bearing wear, increasing system life
- Reliable thermal and oxidation stability extends oil life, improving uptime and productivity
- Reduced deposit and sludge formation ensure cleaner systems, reducing service downtime
- Effective corrosion prevention increases component reliability, cutting unscheduled maintenance time
- Rapid water separation optimises lubrication performance and rust prevention, reducing costs
- Good foam suppression, even when contaminated with water, ensures trouble-free operation
- Wide range of industrial, marine and mobile applications reduces inventories, saving time and money

### Applications and Uses

Texol Gearsyn™ lubricants are recommended for the lubrication of a wide range of industrial, mobile and marine equipment.

- All types of enclosed gear drives and speed reducers ranging from fractional kilowatt gear motors to large, high power units on metal Rolling mills, cement mills, and mine hoists
- Chain drives, sprockets, low-speed plain and anti-friction bearings, slide guides, couplings, screws
- Texol Gearsyn™ lubricants also perform well in industrial hypoid gears and are recommended for use in transmission gear case and worm drive axles on automotive, construction and mining equipment
- Marine applications include main propulsion systems, centrifuges, deck machinery such as winches, windlasses, cranes, turning gears, pumps, elevators and rudder carriers and many other applications
- Texol Gearsyn™ lubricants are suitable for bath, splash and circulation application
- Texol Gearsyn™ lubricants are non-corrosive to gear and bearing materials such as steel, copper, bronze, babbitt or cadmium-nickel

### Technical Data Sheet

#### Texol Gearsyn™ Series

Premium performance extreme pressure gear lubricants

#### Typical Properties

Property (Unit)	10	15	22	32	46	68	Method
Density at +15 °C	855	857	863	870	875	885	DIN 51757
Viscosity @40°C, cSt	10	15	22.8	32	45.9	68	DIN 51550
Viscosity @100°C, cSt	2.6	3.8	4.3	5.05	7.45	8.6	DIN 51550
ISO Viscosity Grade	10	15	22	32	46	68	DIN 51519
Viscosity Index	115	121	121	110	108	105	DIN ISO 2909
Flash Point, °C	205	210	218	220	225	235	DIN ISO 2592
Pour Point, °C	-34	-32	-30	-28	-25	-29	DIN ISO 3016
Four ball weld load, N	2400	2400	2400	2500	2500	2500	DIN 51350-02
Four ball wear test, mm				0.28			DIN 51350-03
FZG test ( A/8.3/90 )				>14			DIN 51354

Property (Unit)	68	100	150	220	320	460	Method
Density at +15 °C	885	887	891	895	899	903	DIN 51757
Viscosity @40°C, cSt	68	100	150	220	320	460	DIN 51550
Viscosity @100°C, cSt	8.6	11.3	14.5	18.9	25	31.7	DIN 51550
ISO Viscosity Grade	68	100	150	220	320	460	DIN 51519
Viscosity Index	105	105	107	108	110	115	DIN ISO 2909
Flash Point, °C	235	235	236	235	237	242	DIN ISO 2592
Pour Point, °C	-29	-27	-26	-21	-18	-18	DIN ISO 3016
Four ball weld load, N	2500	2600	2600	2700	2800	2800	DIN 51350-02
Four ball wear test, mm				0.28			DIN 51350-03
FZG test ( A/8.3/90 )				>14			DIN 51354

Property (Unit)	680	1000	1500	2000	3000	5000	Method
Density at +15 °C	910	915	915	923	935	950	DIN 51757
Viscosity @40°C, cSt	680	995	1495	1980	2900	4465	DIN 51550
Viscosity @100°C, cSt	38	48	72	98	123	168	DIN 51550
ISO Viscosity Grade	680	1000	1500	2000	3000	5000	DIN 51519
Viscosity Index	118	120	123	128	135	142	DIN ISO 2909
Flash Point, °C	250	252	260	260	240	228	DIN ISO 2592
Pour Point, °C	-18	-12	-10	-8	-8	-6	DIN ISO 3016
Four ball weld load, N	3800	4000	4000	4200	4200	4200	DIN 51350-02
Four ball wear test, mm				0.28			DIN 51350-03
FZG test ( A/8.3/90 )				>14			DIN 51354

## Technical Data Sheet

### Texol Gearsyn™ Series

Premium performance extreme pressure gear lubricants

### Notes for Use

- Condensation water may be absorbed without the danger of corrosion or a change in viscosity.
- Texol Gearsyn™ 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™ lubricants are CLP oils and exceed the minimum requirements according to DIN 51517 for CLP gear oils