

# Gearlube SP - "e" Gear Oils

## Specialty Gear Oils

MOSIL Gearlube SP - e series gear oils are specialty gear oils formulated with highly refined mineral oil along with latest additive technology with friction modifiers to provide high performance and long service life due to lower sludge formation. It contains sulphur - phosphorus chemistry of EP additives that provides high load carrying ability and wear protection. MOSIL Gearlube SP - e series gear oils are formulated with special additive system to resist micropitting in gears and provides protection against corrosion of steel and copper containing alloys. It resists foaming and can be used in either splash or circulating system.

MOSIL Gearlube SP - e series gear oils are suitable wherever Industrial Gear oils are required. They are suitable for the lubrication and protection of heavily loaded enclosed gears including spur, helical and bevel designs besides providing protection against shock loading generally observed in worm gears. They can also be used for lubrication of plain bearings and in rolling contact (anti friction) bearings.

### AREA OF APPLICATION

Enclosed Gear drives, Transmission chains, Heavily loaded low speed antifriction bearing, Centralized lubrication systems. As a running-in-oil for OEMs.

Can also be used for Industrial bearings (journal and rolling contact), drives for conveyors, agitators, dryers, mixers, pumps etc.

### BENEFITS

- ➔ Resists Micropitting, provides EP wear protection to gears, bearings etc.
- ➔ Resists sludge formation leading to outstanding system cleanliness.
- ➔ Very good oxidation resistance for long drain interval
- ➔ Very good demulsibility for easy water removal
- ➔ Lead Free

### PACKING: 20 Ltr Pail, 35 Ltr Drum, 210 Ltr Barrel

Owing to evolving packaging solutions, user is requested to kindly check the availability of a specific pack size prior to standardization.

**Mosil Lubricants Private Limited**

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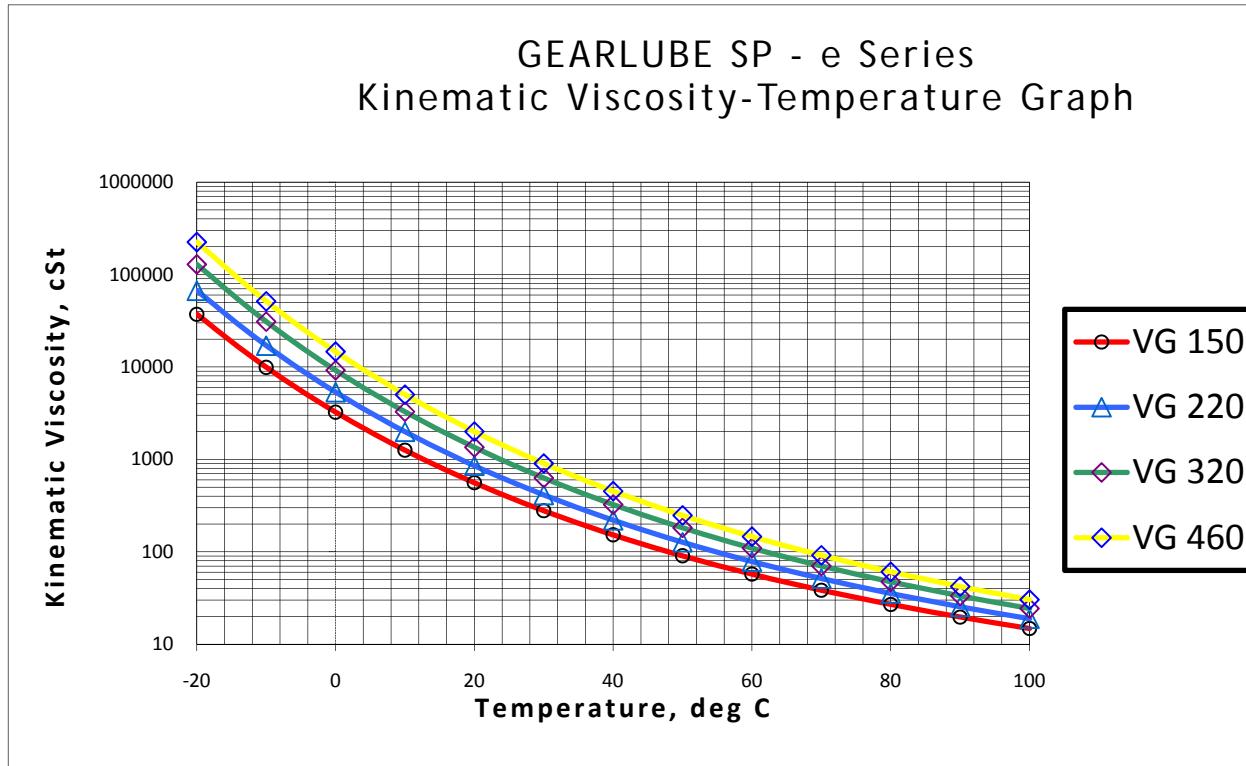


# PRODUCT BULLETIN

<u>CHARACTERISTICS</u>		<u>TYPICAL VALUES</u>			
1.	ISO VG Grade	150	220	320	460
2.	Appearance			Clear	
3.	Colour (Visual)			Yellow to Dark Brown <i>(Minor variation in shade has no effect on the lubricating properties of the product)</i>	
4.	Flash Point °C (COC), ASTM D - 92	230°C (min)	240°C (min)	240°C (min)	240°C (min)
5.	Kinematic Viscosity, ASTM D - 445 @ 40°C (cSt) @ 100°C (cSt)	152.8 14.81	219.8 18.90	323.9 24.34	452.4 30.30
6.	Viscosity Index, ASTM D - 2270	96	96	96	96
7.	Copper Strip Corrosion, ASTM D - 130	1a	1a	1a	1a
8.	Density @ 15° C, ASTM D - 4052	0.9015	0.9061	0.9095	0.9152
9.	Pour Point °C, ASTM D - 97	-18	-15	-9	-9
10.	Timken OK Load (lb) ASTM D - 2782	65	65	65	65
11.	TAN (mg KOH / g) ASTM D - 664	0.51	0.53	0.51	0.51
12.	FZG Scuffing, Fail Stage, DIN 51 354  A/8.3/90 A/16.6/90	12+ 12+	12+ 12+	12+ 12+	12+ 12+
13.	Rust Protection, Sea Water , ASTM D - 665	Pass	Pass	Pass	Pass



## Kinematic Viscosity - Temperature Graph



Material Safety Information required for safe usage of this product may not be included in this product bulletin and may be sought by contacting MOSIL. Users are advised to go through the Material Safety Data Sheet (MSDS) of this product prior to application / usage of this product.

All statements and information contained in this document are based on the laboratory testing and user experience on actual applications. Owing to the exhaustive possibility of application for which this product may be used and the variety of equipments, performance parameters, environmental conditions and unpredictable human factors, we strongly recommend that this product be tested on the actual application prior to its standardization. All information contained herewith is offered in good faith but without any expressed or implied warranty. This Product Bulletin may already have been revised considering the availability of raw components, legislation, user experience & expectations and enhancement of knowledge of the development team of MOSIL. Users are requested to kindly seek the latest version of this product bulletin by contacting MOSIL. Information provided in this Product Bulletin is based on the generalised expectations and requirements of users. Additional information for this product may also be sought by contacting MOSIL.

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