

MOSIL Robolube - 150

Synthetic Gear Oil

MOSIL Robolube - 150 is fully synthetic gear oil formulated from a carefully selected blend of Synthetic Hydrocarbon Base stocks. An inherently high Viscosity Index (VI) extends the operating temperature range at both the ends. The oil is further fortified with a synergistic blend of various additives like antiwear, EP etc. apart from the proprietary friction modifier additive of MOSIL. These additives extend the usable life of the oil by enhancing the oxidation stability, protection against rust & corrosion, wear etc.

MOSIL Robolube - 150 is totally free from any form of wax or other fatty impurities thereby enhancing its performance in the lower operating temperature compared to other gear oils. Also, the oil is totally compatible with most of the polymers thereby extending its application area.

MOSIL Robolube - 150 can be used on all the enclosed gearboxes and bearings etc. (However it is recommended that before charging the oil, the system is totally flushed with MOSIL Flush Oil - 150 to derive the maximum advantage from the oil)

AREA OF APPLICATION

Specially developed for the Enclosed Gear Drives and other gear boxes in Robotic Assemblies.

BENEFITS

- ➔ Sparkling Blue colour for easy identification
- ➔ High Viscosity Index thereby ensuring better performance at extreme ends of the temperature range.
- ➔ Improved low-temperature fluidity due to wax-free base stock.
- ➔ Excellent Oxidation Resistance and high temperature stability.
- ➔ Excellent rust & corrosion protection.
- ➔ Superior antiwear and EP properties.

PACKING: 20 Ltr Pail, 210 Ltr Drum

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



<u>Sr</u>	<u>CHARACTERISTICS</u>	<u>TYPICAL VALUES</u>
1	ISO VG Grade	150
2	Appearance	Clear
3	Colour (Visual)	Blue to Dark Blue (minor variation in colour has no effect on the performance of the product)
4	Kinematic Viscosity @ 40°C (cSt)	135 - 165
5	Kinematic Viscosity @ 100°C (cSt)	16 - 20
6	Viscosity Index	147 (typical)
7	Carbon Residue Conradson % wt.	0.7 (typical)
8	Copper Strip Corrosion	ASTM 1a
9	Density @ 15° C	0.85 ± 0.05
10	Flash Point °C (COC)	220°C (min)
11	FZG (Failure Load Stage) A/8.3/90	13+
12	4 Ball Wear Scar, mm (ASTM D - 4172 Mod - 1800rpm, 20Kg, 54°C, 60min)	0.25 (max)
13	Flender Foam test Original Oil %	4 (max)
	Original oil mixed with 2% other conventional mineral oil	5 (max)
14	Foaming characteristics, ASTM D - 892, Seq I/II/III	0/0/0
15	Demulse at 82 °C, ASTM D - 1401, 40/37/3, min	10 max
16	Rust Protection, ASTM D 665, Sea Water	No Rust

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.

Rev 00, Issue 00

Mosil Lubricants Private Limited

Technical Services Dept: "ANIRA" Plot No. A-791/3, MIDC Khairne, Navi Mumbai - 400710. INDIA
T: +91 22 2464 0500 /0501|F: +91 22 2778 8505 | E: corporate@mosil.com | W: www.mosil.com
Regd Office:166/1, KALANIDHI, Sion(West), Mumbai - 400 022|CIN # U23200 MH 2000 PT C124177

