

**PRODUCT DATA**

# TMO150

**APPLICATIONS**

- TMO150 is specially designed for high performance compact gears.
- TMO150 is not recommended for lubrication of gears made of aluminum or aluminum alloys.

**PERFORMANCE**

- Extremely high viscosity index
- Excellent anti-abrasion performance
- Outstanding low friction
- Outstanding protection against seizing in steel applications
- Highly resistant against oxidation and thermal stress
- Low point of freezing

**TYPICAL ANALYSIS DATA**

Test item	Test method	TMO150
ISO VISCOSITY	ISO 3448	150
KINEMATIC VISCOSITY (40 °C) mm <sup>2</sup> /s	JIS K 2283	150.4
(100 °C) mm <sup>2</sup> /s		23.7
VISCOSITY INDEX	ISO 2909?	189
FLASH POINT (C.O.C.) °C	JIS K 2265	302
POURPOINT °C	ISO 3016	- 35
DENSITY (15 °C) g/cm <sup>3</sup>	JIS K 2249	1.07
FZG LOAD CARRYING TEST FAILURE LOAD STAGE	DIN 51354-2 A/8.3/90	>12
COPPER CORROSION (24h, 100 °C)	JIS K 2220 9.B	1b
FOUR-BALL EP (N) L.N.S.L W.P. L.W.I.	ASTM D2596	1961 2452 755

Abovementioned figures are typical value not specifications

**Influence on seals and paint work**

TMO150 works well with seals made of nitrile and Viton. However, Viton is preferable, especially in high temperature applications.

High quality epoxy paints are recommended, as polyalkylene glycol will tend to attack some conventional paints.

**Instruction regarding change**

TMO150 is not mixable with other synthetic or mineral oils. Care should be exercised when changing from such products to TMO 150. The machine should be flushed clean by running it without any load, with a minimal amount of TMO150 which should be drained whilst warm. The seals which have been exposed to mineral oil should be replaced for best results. Check the oil after a few days usage. It is also advisable to ensure that the oil systems are clean and free from contamination.

TMO 150 is also not miscible with other polyalkylene glycols. The preference is to drain the system and refill with TMO 150.