

PRODUCT DATA

TMO 150

APPLICATIONS

- TMO 150 is specially designed for high performance compact gears.
- TMO 150 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	TMO 150
ISO VISCOSITY	ISO 3448	150
KINEMATIC VISCOSITY (40 °C) mm ² /s	ISO 3104 DIN 51562	150.4
(100 °C) mm ² /s		23.7
VISCOSITY INDEX	ISO 2909	189
FLASH POINT (C.O.C.) °C	ISO 2592	302
POURPOINT °C	ISO 3016	−35
DENSITY (15 °C) g/cm ³	JIS K 2249 EN 14214	1.07
FZG LOAD CARRYING TEST FAILURE LOAD STAGE	DIN 51354-2 A/16.6/90	>12
COPPER CORROSION (24h, 100 °C)	ASTM D 4048	1b
FOUR-BALL EP (N) L.N.S.L W.P. L.W.I.	ASTM D2596 DIN 51350 / 4	1961 2452 755

Abovementioned figures are typical value not specifications

Influence on seals and paint work

TMO 150 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

TMO 150 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 TMO 150 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.