

Product Data Sheet

TomoilTM Hydraulic Oil HLP 150

Hydraulic oil

Product description

TomoilTM Hydraulic Oil HLP 150 is an exceptional hydraulic fluid meticulously engineered with premium base oils and an innovative blend of additives. It delivers elevated performance for demanding high-pressure and high-output hydraulic systems, guaranteeing extended lifespan, outstanding wear protection, and effective deposit management throughout various operations.

Application

- Hydraulic systems critical to deposit build-up or where sludge and deposits form with conventional products
- Hydraulic systems requiring a high load-carrying capability and anti-wear protection, and when thin oil-film corrosion protection is an asset
- Where small amounts of water are unavoidable
- Systems containing gears and bearings
- Machines employing a wide range of components using various metallurgy

Features & Benefits

- Exceptional thermal and oxidation stability
- Superior wear resistance
- Enhanced corrosion protection
- Controlled demulsibility
- Excellent anti-foam properties
- Neutral to seal materials

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	150
Density at 15°C	g/cm ³	ASTM D4052	0.896
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	150
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	14.6
Viscosity Index	-	ASTM D2270	95

Flash Point (COC)	°C	ASTM D92	250
Pour Point	°C	ASTM D97	-15
Water separability	min	ASTM D1401	15
-time to 3 ml emulsion min	min	ASTM D1401	<1.5
Oxidation Stability after 1000h/TAN increase	min	ASTM D3427	1
Copper Strip Corrosion, 3 h, 100 °C	-	ASTM D130	Pass
Rust-Preventing Characteristics, A&B	-	ASTM D665	Pass

Typical property characteristics are based on current production. Whilst future production will conform to TomoilTM specifications, variations in these characteristics may occur.

Performance claims

- DIN 51524 -2
- ISO 11158 (HM)
- ISO 6743-4
- (HM)
- SAE MS 1004
- US STEEL - 126/127
- Denison HF-0/HF-1/HF-2
- ASTM D6158 (HM)
- Eaton E-FDGN-TB002-E
- JCMAS P041 HK
- GM LS-2
- SEB 181222

Health, Safety & Environment

• Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: www.tomoil.de

• Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Available pack sizes

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 6 L Canister plastic
- 7 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 60 L Drum sheet metal
- 200 L Drum sheet metal
- 1000 L Container

Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

Notes

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