

Product Data Sheet

TomoilTM Hydraulic Oil WR HLP 46

Hydraulic oil

Product description

TomoilTM Hydraulic Oil WR HLP 46 is a high-quality hydraulic oil formulated with carefully refined base oils and an innovative additive combination. Its formulation includes outstanding features such as enhanced antioxidant properties, effective corrosion resistance, anti-wear attributes, anti-foaming capabilities, and superior viscosity characteristics.

Application

TomoilTM Hydraulic WR HLP 46 is recommended for application in the hydraulic systems of industrial equipment that operate under rigorous mechanical and thermal demands. It is particularly well-suited for deployment in conditions of severe waterlogging, ensuring optimal performance and reliability.

Features & Benefits

- Minimizes equipment wear.
- Extends service life.
- Exhibits excellent anti-foam properties.
- Improves air separation.
- Well-suited for use in heavily watered systems.

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	46
Density at 15°C	g/cm ³	ASTM D4052	0.878
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	46
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	6.74
Viscosity Index	-	ASTM D2270	98
Flash Point (COC)	°C	ASTM D92	200
Pour Point	°C	ASTM D97	-27
Water separability	min	ASTM D7451	15
-time to 3 ml emulsion min	min	ASTM D7451	15

Oxidation Stability after 1000h/TAN increase	min	ASTM D4310	<1
FZG EP Wear Test (A 8.3/90)	-	ASTM D 5182	12
Failure Load Stage	-	ASTM D 5182	12

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 (HLP)
- Sulzer
- KraussMaffei

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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