

Product Data Sheet

Tomoil™ Circulating Oil 46 AW

Circulating oil

Product description

Tomoil™ Circulating Oil 46 AW represents a circulation lubrication solution designed to hinder rust and oxidation, showcasing characteristics that mitigate wear. Engineered to deliver proficient lubrication for friction components and a variety of mechanisms, it comprises premium mineral base oils and a carefully assembled additive formulation to counteract oxidation, corrosion, and wear.

Application

Tomoil™ Circulating Oil 46 AW is a multipurpose oil suitable for lubricating assembly blocks in machines and devices that don't require extreme pressure properties. It's also ideal for moderately loaded gears, gear couplings, hydraulic pumps, and various bearings, including high-temperature paper machine bearings, where EP properties are not needed

Features & Benefits

- Excellent oxidation and thermal stability
- Outstanding anti-wear characteristics
- Remarkable water-separating properties
- Exceptional foam resistance
- Effective protection against rust and corrosion

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	VG 46
Density at 15°C	g/cm ³	ASTM D4052	0.885
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	46.00
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	6.790
Viscosity Index	-	ASTM D2270	100
Flash Point (COC)	°C	ASTM D92	234
Pour Point	°C	ASTM D97	-21
Copper Strip Corrosion, 3 h, 100 °C	-	ASTM D130	1a
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 51524/1 (HL)
- DIN 51517-2 (CL)
- ISO 11158 (HL)
- ISO-L-HL

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

- 20 L Canister plastic
- 30 L Canister plastic
- 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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