

Product Data Sheet

Tomoil™ Circulating Oil 100 AW

Circulating oil

Product description

Tomoil™ Circulating Oil 100 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 32 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 100
Density at 15°C	g/cm ³	ASTM D4052	0.891
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	100.0
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	11.23
Viscosity Index	-	ASTM D2270	97
Flash Point (COC)	°C	ASTM D92	254
Pour Point	°C	ASTM D97	-18
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

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by ALCO LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our sales specialists if you require any further information.