

Product Data Sheet

Tomoil™ Paper Machine Oil 320

Circulating oil

Product description

Tomoil™ Paper Machine Oil 320 represents an advanced circulating lubricant specifically engineered for the intricate requirements of paper machines. With the infusion of ashless additives in its composition, the formulation aims to excel in delivering optimal lubrication performance while safeguarding equipment parts from the detrimental effects of rust and corrosion.

Application

- Circulating oil systems for paper machines
- Suction box pumps, vacuum and white water pumps, agitators, reduction gears, and gear head motors
- Oil circulation systems for pulp grinders and pulp refiners
- Gear drive units and pumps in industrial applications
- Plain and antifriction bearings operating at elevated temperatures

Features & Benefits

- Excellent oxidation resistance and thermal stability
- High load-carrying capability
- Outstanding demulsibility
- Improved rust and corrosion protection
- Exceptional filterability

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	320
Density at 15°C	g/cm ³	ASTM D 4052	0.901
Kinematic Viscosity at 40°C	mm ² /s	ASTM D 445	320
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	23.69
Viscosity Index	-	ASTM D 2270	93
Flash Point (COC)	°C	ASTM D 92	284
Pour Point	°C	ASTM D 97	-15
Copper strip corrosion	-	ASTM D 665	pass
Copper strip corrosion, 3 h., at 120°C	-	ASTM D 130	1
Foaming properties - Seq I, at 24°C - Seq I, at 93.5°C - Seq I, at 24°C	nan	ASTM D 892	30/0 30/0 30/0
Water separability at 82°C	-	ASTM D 1401	15

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)
- DIN 51517-3 (CLP)
- Voith VN 108
- SKF
- Metso
- Anderitz
- Beloit

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 | • 200 L Drum sheet metal |
| • 30 L Canister plastic | • 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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