

Product Data Sheet

TomoilTM Turbine Oil 32

Turbine oil

Product description

TomoilTM Turbine Oil 32 represents a high-quality turbine lubricant created for gas and steam turbines in moderate operational settings. Its composition blends carefully selected base materials with advanced additives, ensuring stability against oxidation, protection from rust, and notable effectiveness in air release and rapid water separation.

Application

- Industrial steam turbines and light-duty gas turbines that do not require enhanced anti-wear performance for the gearbox.
- Hydroelectric turbine lubrication
- Numerous applications where strong control over rust and oxidation is required
- Centrifugal and axial dynamic turbo-compressors and pumps, where an R&O type or turbine oil is advisable

Features & Benefits

- High thermal and oxidation stability
- Favourable rust and corrosion control
- Prolonged oil lifetime
- Excellent air release
- Good filterability
- Compatible with seals and gaskets
- Low foaming tendency

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	32
Density at 15°C	g/cm ³	ASTM D4052	0.875
Kinematic Viscosity at 40°C	cst	ASTM D445	32.00
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	5.340
Viscosity Index	-	ASTM D2270	97
Flash Point (COC)	°C	ASTM D92	220
Pour Point	°C	ASTM D97	-18

Copper Corrosion, 3h, 100°C	-	ASTM D 130	1a
Rust Preventive in the presence in water	-	ASTM D 665	pass
Water separability -time to 3ml emulsion	-	ASTM D 7451	10
RBOST test, min.	-	ASTM D 2272	350

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

Performance claims

- GEK 28143B & 46506E
- JIS K 2213
- Siemens TLV 9013 04 (non-EP)
- DIN 51515 Part I
- ASTM D4304-06A Type I
- AIST 120/125
- British Standard BS489

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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