

Sinova Marine Turbo SYN 46

Turbine oil

Product description:

Sinova Marine Turbo SYN 46 is a semi-synthetic turbine oil developed for use in gas and steam turbines operating under mild conditions. Its formulation integrates carefully selected base stocks with the latest additive technology to ensure oxidation stability, rust protection, excellent 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	-	-	46
Kinematic Viscosity at 40°C	cst	ASTM D 445	46.00
Kinematic Viscosity at 100°C	mm ² /s	ASTM D 445	7.050
Viscosity Index	-	ASTM D 2270	110
Density at 15°C	g/cm ³	ASTM D 4052	0.865
Water content	%	ASTM D95	None
Flash Point, COC	°C	ASTM D 92	240
Pour Point	°C	ASTM D 97	-18
Copper Corrosion, 3h, 100°C	-	ASTM D130	1A
Rust Preventive in the presence in water	-	ASTM D665	Pass
Demulsibility at 54°C	min.	ASTM D1401	5

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

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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.sinovagroup.ch

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.

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