



TS SERIES

Premium Grade Turbine Oils

Product Overview

TS Series oils are premium grade turbine oils for use in steam turbines, gas turbines and combined cycle units. They are manufactured from very high quality hydrotreated base stocks which provide an enhanced resistance to oxidation. Its zinc free additive technology meets the latest manufacturer's requirements.

TS Series are made of carefully selected base oils and additives components in order to enhance oxidation stability and provide extended drain interval.

Benefits

- Excellent oxidation stability
- Break through anti wear technology for an optimum protection
- Flexibility and effectiveness for the user, thanks to its multiple uses
- Extended life under severe conditions

Applications

- Circulation systems subjected to high temperatures through requiring long-life lubricants
- Steam turbines and industrial gas turbines where a mineral hydrotreated oil is a requirement
- Hydraulic systems
- Heavy duty gearboxes
- Heat-transfer installations

Health and Safety

This lubricant is unlikely to produce any significant health or safety hazard when used in the application it has been designed for and according to the recommendations provided in the Material Safety Data Sheet. MSDS are available upon request through your sales advisor.

When disposing of used oil, please observe all current regulations and protect the environment.

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Meets or exceeds the following industry Specifications

ISO Grade	32	46	68	100
DIN 51 515 Part 1 (L-TD), Part 2 (L-TG)	✓	✓	✓	✓
ISO 8068	✓	✓	✓	✓
AAB ALSTOM POWER HTGD 90 117 V0001 S	✓	✓	✓	✓
MIL-L-17672 D	✓	✓	✓	✓
British Standard BS 489	✓	✓	✓	✓
General Electric GEK 32568F, GEK 28143A	✓	✓	✓	✓
Westinghouse Electric Corp. Turbine Oil Spec.	✓	✓	✓	✓
CEGB Standard 207001	✓	✓	✓	✓
US Steel 120	✓	✓	✓	✓

Typical properties

Test parameters	Method				
Viscosity @ 40 °C, cSt	ASTM D 445	32	46	68	100
Viscosity @ 100 °C, cSt	ASTM D 445	5.4	6.7	8.8	11.6
Viscosity Index	ASTM D 2270	>100	>100	>100	>100
TOST Time to TAN 2 mgKOH/g	ASTM D 943	>12000	>12000	>12000	>12000
Flash Point, °C	ASTM D 92	>220	>220	>220	>220
Pour Point, °C	ASTM D 97	-18	-18	-18	-18
Density @ 15 °C, Kg/L	ASTM D 4052	0.87	0.87	0.87	0.87

Above characteristics are mean values given as information. They do not constitute a specification.