



PSO Turbine Oil T series, expertly blended with super-refined, premium-quality hydro-treated base oils. These oils have excellent oxidation stability, further amplified by advanced additive technology, delivering superior performance and protection against corrosion and rust for both ferrous and non-ferrous metals, even in severe operational conditions.

Benefits

- Prolongs oil life with enhanced oxidation resistance.
- Provides trouble-free operations in steam turbine sets with outstanding demulsibility characteristics.
- Effective control of foam ensures efficient air release.
- Imparts outstanding rust and non-ferrous corrosion protection.

Applications

- Primarily designed for the lubrication of steam turbines operating at high pressure and high temperature.
- Recommended for medium-duty stationary industrial gas turbines.

Performance Standards

- ASTM D-4304 Type I & III
- BS 489
- ISO 8068 TGB TGSB, 11158 HH & HL
- SIEMENS AG TLV 9013 05 High Thermal Stability
- SIEMENS AG TLV 9013 04 Standard Thermal Stability
- ALSTOM HTGD 90117
- DIN 51515 Part I & II, 51524 Part I
- General Electric GEK-32568F

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS			
ISO VG		32	46	68	100
Density @ 15°C, kg/L	ASTM D-4052	0.8659	0.8649	0.8709	0.8770
K. Viscosity @ 40°C, cSt	ASTM D-445	31.0	47.2	68.7	99.5
K. Viscosity @ 100 °C, cSt	ASTM D-445	5.43	6.84	8.78	11.00
Viscosity Index	ASTM D-2270	110	105	102	101
Flash Point (COC), °C	ASTM D-92	214	230	238	236
Pour Point, °C	ASTM D-97	-27	-27	-27	-24
Demulsibility @ 54°C	ASTM D-1401	40-38-2-(30)	40-38-2-(30)	40-38-2-(30)	40-38-2-(30)
Rust Prevention	ASTM D-665	Pass	Pass	Pass	Pass
Copper Corrosion, 3h @ 100°C, Class	ASTM D-130/IP-154	1	1	1	1

*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from lubricants.technical@psopk.com