



PSO Turbine Oil T series is blended with super refined premium quality hydro-treated base oils having excellent oxidation stability which is further enhanced with advanced additive technology to provide superior performance and protection against corrosion and rust to ferrous and non-ferrous metals at severe operational conditions.

Benefits

- Enhanced oxidation resistance gives longer oil life.
- Outstanding demulsibility characteristics to provide trouble-free operations in steam turbine sets.
- Effective control of foam and air release.
- Outstanding rust and non-ferrous corrosion protection.

Applications

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

Performance Standards

- ASTM D-4304 TYPE I & TYPE 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 & Part II, 51524 Part I
- General Electric GEK-32568F

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS			
		32	46	68	100
Density @ 15 °C, kg/L	ASTM D-1298	0.8657	0.8624	0.8681	0.8684
K. Viscosity @ 40°C, cSt	ASTM D-445	31.07	45.39	67.59	94.39
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	212	230	230	232
Pour Point, °C	ASTM D-97	-27	-27	-27	-27
Demulsibility @ 54 °C	ASTM D-1401	40-40-0-(18)	40-40-0(15)	40-40-0(15)	40-40-0(15)
Rust Prevention	ASTM D-665	Pass	Pass	Pass	Pass
Copper Corrosion, 3-hrs @ 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