



PRODUCT DESCRIPTION

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.

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

The Superior additive technology used in the formulation of PSO Turbine Oil T endorses the following performance standards:

ASTM D-4304 TYPE I & TYPE III

ALSTOM HTGD 90117

BS 489

DIN 51515 Part I & Part II, 51524 Part I

ISO 8068 TGB TGSB, 11158 HH & HL

GENERAL ELECTRIC GEK-32568F

SIEMENS AG TLV 9013 05 HIGH THERMAL STABILITY

SIEMENS AG TLV 9013 04 STANDARD THERMAL STABILITY

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.

PRODUCT CHARACTERISTICS*

PROPERTIES	METHOD	TYPICAL RESULTS			
		32	46	68	100
Density @ 15 °C, Kg/liter	ASTM D-4052	0.8657	0.8624	0.8681	0.8684
Kinematic Viscosity @ 40 °C, cSt	ASTM D-445	32	46	68	100
Kinematic Viscosity @ 100 °C, cSt	ASTM D-445	5.4	6.8	8.8	11.0
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, 3Hrs@100 °C, Class	ASTM D-130/IP-154	1	1	1	1

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



HEALTH & SAFETY

Guidelines for health, safety and handling are available in Material Safety Data Sheet of the product which can be obtained from PSO representative.



ENVIRONMENT PROTECTION

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



ADVICE

Advice on application not covered in this leaflet, may be obtained from PSO representative.