

DESCRIPTION

Shield's Turbine Oils are premium oils for turbines and turbo compressors. These oils are blended from virgin base oils and carefully selected anti-oxidants, anti-rust and anti-foam additives. These oils exhibit oxidation stability of the highest order and good demulsibility characteristics providing long service life. Shield Turbine Oils have become the first and only Kuwaiti oil that is approved by SIEMENS globally.

FEATURES

-  Very long service life
-  Excellent demulsibility characteristics
-  Outstanding rust and corrosion control
-  Excellent thermal and oxidation stability
-  Excellent filterability and air release properties
-  Effective anti-foam properties to resist foam build-up

PERFORMANCE LEVELS:

- DIN 51515-1 TD, DIN 51515-2 TG
- General Electric GEK 28143b Type I, GEK 32568g, GEK 46506e
- GB 11120-2011, L-TSA and L-TGA
- Alstom HTGD 90 117

APPLICATIONS:

Shield's Turbine Oils are recommended for the lubrication of steam, gas, and hydraulic turbines and can be used in hydraulic systems requiring a long life of outstanding properties. They can be used where inhibited oils of the appropriate viscosity are required such as in axial/centrifugal compressors and certain pumps.

TYPICAL PHYSICAL PROPERTIES

SL#	Characteristics Unit	Test Method	ISO Grade				
			ISO 32	ISO 46	ISO 68	ISO 100	ISO 150
1	Kinematic Viscosity @40°C	ASTM D 445	32	46	68	100	150
2	Kinematic Viscosity @100°C	ASTM D 445	5.38	6.78	8.73	11.36	15
3	Viscosity Index	ASTM D 2270	101	100	100	99	99
4	Flash Point COC, °C	ASTM D 92	220	230	230	246	255
5	Pour Point, °C	ASTM D 97	-27	-24	-21	-18	-15
6	Demulsibility Test	ASTM D 1401	5	5	5	5	5
7	TOST life, time to TAN=2	ASTM D 943	+3500	+3500	+3500	+3500	+3500
8	Rotating pressure vessel oxidation test (RPVOT)	ASTM D 2272	+500	+500	+500	+500	+500

*Exact specifications may slightly vary from the above, but within the international standards.