

OPTIMUS TURBINE OIL

PRODUCT DESCRIPTION:

OPTIMUS TURBINE OIL is a lubricant specifically designed for use in steam and gas turbine applications. Formulated with high-quality base oil and selected additives package, it offers good oxidation stability and corrosion protection along with good demulsibility, antifoaming and air release properties.

APPLICATION:

- Steam turbines used in industrial power generation
- Large to moderate marine steam turbine propulsion machinery and associated auxiliary equipment
- Industrial steam turbines, gas turbines and water turbines
- Circulating systems, air compressors, anti-friction bearings, enclosed gears, hydraulic units and other industrial applications.

FEATURES & BENEFITS:

- Good oxidation stability prolonging the service life of the oil and increasing service intervals.
- Good air release properties protect against air entrainment and ensure optimum oil film thickness, protecting equipment components.
- Good antifoaming properties avoid the buildup of foam, and reduce oil leakage from the system.
- Good water separation properties ensure that any water contamination can be easily separated from the oil, protecting equipment against rusting and corrosion and extending oil life.
- Anti-rust and corrosion prevention properties further protect equipment from rusting and corrosion, and extend equipment life.

PERFORMANCE LEVELS:

- ISO 8068 TSA/TGA
- DIN 51515-1 TD
- BS 489:1999
- Ansaldo Energia 606W807 Rev.C (2012)
- GE GEK 28143B
- Siemens TLV 9013 04
- ASTM D 4304 Type I
- JIS K 2213 -1983 Type II
- Doosan Skoda Power
- Nuovo Pignone SOM 17366
- Mitsubishi Spec. NO. E00-001 Rev.2
- CEI 10-8 (1994)

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	OPTIMUS TURBINE OILS		
Grade			32	46	68
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	32	46	68
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	5.5	7	9
Viscosity Index (min)	ASTM D-2270	-	108	109	107
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm ³	0.860	0.868	0.870
Flash Point (min)	ASTM D-92	°C	220	230	236
Pour Point (max)	ASTM D-97	°C	-18	-18	-18
Neutralization Number	ASTM D-974	Mg/KOH/g	0.07	0.07	0.07

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net