

SYNTH TURBINE OIL (FULLY SYNTHETIC OIL)

DESCRIPTION

SYNTH TURBINE OIL is synthetic gas turbine fluid formulated with high viscosity index base oils and selected ashless additives to provide outstanding performance and protection in turbines. It has outstanding oxidation resistance and thermal stability at high temperatures to minimize deposit formation and provide long service life. It has high-load carrying capacity and excellent affinity for metal surfaces to protect against wear, intermittent operation, in warm or cold climates. It has natural detergency for improved cleanliness; the oils have good oxidation control, anti-rust & corrosion and anti-wear properties and excellent hydraulic stability and anti-foaming characteristics. It also has excellent low temperature properties of the fluid will ensure good operation at temperatures lower than -50 °C.

APPLICATIONS

- Recommended applications: Power generation steam turbines, Marine & Industrial steam turbines, auxiliary power units and non-g geared gas turbines particularly recommended for use in applications where operating conditions may be unfavorable or severe for conventional mineral based lubricants such as biogas fueled units. Applications requiring high quality rust and oxidation (R&O) inhibited oils.
- **SYNTH TURBINE OIL** fluids are successfully used for the long term lubrication of land-based gas.

FEATURES & BENEFITS

- Exceptional oxidation stability for long service life at elevated temperatures. Formulated with premium synthetic base oil technology and an ashless, zinc-free formulation.
- Rust and corrosion protection, Enhanced water separation, TOST life up to 10,000 hours.
- High viscosity index helps ensure minimum viscosity change when variations in temperature occur.
- Minimum foam helps prevent sump overflow or erratic governor operation.
- Minimizes sludge and varnish formation and deposit formation & Excellent thermal stability.
- Low friction properties and resistance to viscosity increase from oxidation.
- Greatly reduces wear during start up periods & Reduced turbine maintenance.
- Excellent cold temperature starting and good compatibility with all types of seals and coatings.

PROPERTIES

ISO Grade	32	46
Base oil type	Di-ester/PAO (Synthetic oil)	
Density,@15°C kg/l	0.865	0.872
Viscosity @100 °C, Cst	6	8
Viscosity @40°C, Cst	31.5	45.9
Viscosity Index	138	138
Flash Point, °C	248	248
Pour Point, °C	-54	-45
TAN (Total Acid Number)	0.13	0.13
Foam, Sequence I, Stability, ml,	0	0
Foam, Sequence I, Tendency, ml,	10	20
Copper corrosion test 3hrs@100 °C	1b	1b
Rust preventive properties	No Rust	No Rust
Oxidation Stability Test Tost Life min in hrs.	10,000	10,000
AL technology (Zinc Free) Turbine Oil For Extra Extended Drain Interval life min in hrs	12000	12000

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