



ATLANTIC MARINE TURBINE OIL SYN

DESCRIPTION

ATLANTIC TURBINE OIL SYN is a supreme performance, synthetic turbine oil designed specifically to meet the needs of the most severe marine and industrial gas turbine applications. It has a nominal 10,000 hour TOST life and is recommended for the lubrication of marine and land-based gas turbines, particularly units under 3,000 hp used as standby power units. This innovative product is formulated from wax-free synthesized hydrocarbons and a unique additive system. This formula provides outstanding low temperature fluidity and exceptional resistance to degradation at high temperatures well beyond the capabilities of premium quality mineral oils. It also provides excellent antiwear properties as well as protection against rust and corrosion. It has good air release performance and resistance to foaming.

ATLANTIC TURBINE OIL SYN provides superior resistance to thermal/oxidative degradation during the heat soaking period after shutdown and permits rapid oil circulation at low temperatures during start-up. Degradation resistance is a key attribute in avoiding harmful deposits that can interfere with lubrication supply to the bearings or foul critical servo-valves. This is a particular issue when gas turbines are running in cycling mode and experience multiple thermal stress cycles. Since low temperature fluidity and high viscosity index are inherent characteristics of this fluid, it does not change in service as a result of mechanical shearing or repeated cycling from low to high temperatures.

FEATURES AND BENEFITS

- Outstanding high thermal/oxidative stability and deposit control
- Excellent low temperature fluidity
- Naturally high Viscosity Index
- Very good resistance to foaming and good air release
- Excellent antiwear performance.

APPLICATIONS

ATLANTIC TURBINE OIL SYN is designed specifically to meet the needs of the most severe gas turbine applications. It is fully compatible with mineral oils, but admixture will detract from its superior performance properties.

RECOMMENDATIONS / APPROVALS

Siemens TLV 9013 0, Meets Solar ES9-224 Class 1, Alstom HTGD 90117

TYPICAL TECHNICAL PROPERTIES

PRODUCT CODE:	ML-251301
ISO Viscosity Grade	32
Density at 15°C, g/ml, ASTM D4052	0.83
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	31.5
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	5.9
Viscosity Index, ASTM D2270	135
Pour Point, °C, ASTM D 97	<-54
Flash Point(COC), °C, ASTM D92	248
TOST life, ASTM D 943, hrs to 2NN	9500
Foam Test, ASTM D 892, Seq I, Tendency/Stability, ml/ml	10/0
Air Release	1

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

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* supersedes all previous versions

Packing: 200L, 208L, 1000L, BULK