

Synthetic Turbine Oil S

Synthetic Turbine Oil S is a premium industrial steam, gas and combined cycle turbine oil for geared turbines.

Features

High Thermal Stability: It provides exceptional resistance to degradation even under high oxidative and thermal stress conditions. Synthetic Turbine Oil S demonstrates excellent results in the TOST life test (ASTM D943) compared to conventional lubricant technology, offering potential for longer service life, lower maintenance costs, and reduced downtime.

High Demulsification Capability: This technology is designed to provide exceptional demulsification performance and turbine oil life.

Excellent Oxidative Stability: Designed with a blend of synthetic base oils that provide good deposit control, Synthetic Turbine Oil S aims to deliver longer service intervals while minimizing equipment failures and downtime.

Long Equipment Life: Contains effective EP (high pressure)/anti-wear additives that provide excellent protection for gear steam and gas turbines, ensuring reliable operation of the control system as well as long service life for gear sets and bearings. Provides excellent rust and anti-corrosion performance for maximum equipment protection.

Excellent Foam Control: Contains a silicone-free anti-foaming agent, ensuring reliable operation.

Technical Specifications

ISO Class	-	32	46
*Kinematic Viscosity @40˚C, cSt	ASTM D 445	32	46
*Density 20°C, kg/m³	ASTM D 4052	0,843	0,845
*Viscosity Index	ASTM D 2270	136	140
*Flash Point, ˚C	ASTM D 92	230	230
*Pour Point, °C	ASTM D 97	-36	-30
*Total Acid Number, mg KOH/g	ASTM D 664	0,12	0,15
Foaming Stability, I/II/III Stage, mL/mL	ASTM D 892	0/0, 0/0, 0/0	0/0, 0/0, 0/0
*Copper Strip Corrosion (@150 °C' 3h)	ISO 2160 / ASTM D 130	1a	1b
*FZG Load Carrying	ISO 14635-1	10	11
Oxidation Stability-TOST - hours	ISO 4263-1 / ASTM D 943-95	10000+	10000+
*Oxidation Stability-RPVOT, min.	ASTM D 2272	1400	1400
*Air outlet at 50°C, min.	ASTM D 3427	1‘ 24’’	1‘ 30’’
Rust Test	ASTM D 665 A&B	Pass	Pass

Water Separability minutes to 3 emulsion mL, Min.	ASTM D 1401	15	15
Steam Demulsibility, Seconds	IP 19	90	95

**Data given above are typical properties and may vary slightly.*

Performance

Siemens TLV 9013 04 (EP), Siemens TLV 9013 05(EP), Alstom HTGD 90117 W0001 (EP), DIN 51515 Part I& II, GEK 32568J, GEK27070, GEK 46506E, GEK 101941A, CM P-38, P-55, P-54

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