PRESTINA T RANGE

Premium Quality Turbine Oil

Technical Data Sheet

Specification and Approvals

ISO VG 32 / 46 / 68
ASTM D-4304 TYPE 1; ASTM D-4303 TYPE III
ALSTOM HTGD 90117
BRITISH STANDARD BS 489
DIN 51515 PART 1,2; DIN 51524 PART 1
GENERAL ELECTRIC GEK-32568F
ISO 8068 TGB TGSB; ISO 11158 HH; ISO 11158 HL
SIEMENS AG TLV 9013 05 HIGH THERMAL STABILITY
SIEMENS AG TLV 9013 04 STANDARD THERMAL STABILITY

Description

MOGAS Prestina T is premium quality turbine oil specially designed to satisfy the severe lubrication needs of steam turbines in today's power industry. They are formulated with highly hydro-processed base oils and a premium ash-less additive package containing field proven anti-oxidants, rust and corrosion inhibitors and metal deactivators. It also possesses high resistance to chemical degradation, all ensuring excellent equipment protection, reliable operation and extended service life.

Features and Benefits

- Outstanding thermal and oxidation stability prevents sludge formation, controls deposits and minimizes oil degradation leading to reliable operation.
- Excellent water separation resists formation of emulsion and enables easy removal of excess water from the lubrication system.
- Effective rust and corrosion inhibitors provide long-term protection to critical system components.
- Good air release properties and foam control avoids erratic operation and pump cavitation, leading to trouble-free operation.

Applications

In power generation and industrial steam turbines; light duty non-geared gas turbines or those requiring no enhanced anti-wear performance for the gearbox; turbo compressors; Lubrication of hydraulic; in general industrial applications that requires high quality rust and oxidation (R&O) inhibited oils, Water turbine lubrication.

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MOGAS

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Typical Properties

Test Parameters		Test Method	T 32	T 46	T 68
Color		ASTM D 1500	L0.5	L0.5	L0.5
Viscosity @ 40°C	mm2/s	ASTM D 445	32	46	68
Viscosity @ 100°C	mm2/s	ASTM D 445	5.4	6.8	8.7
Viscosity Index		ASTM D2270	102	101	100
Acid Number	mgKOH/g	ASTM D2896	0.07	0.07	0.07
Pour Point	°C	ASTM D 97	-15	-15	-12
Flash point (COC)	°C	ASTM D 92	218	232	240
Density @ 20°C	kg/l	ASTM D4052	0.852	0.855	0.858
Water Separation 3ml @ 54°C	min	ASTM D1401	Pass	Pass	Pass
Water Demulsibility	min	ASTM D1401	20	20	20
Steam Demulsibility	Sec	ASTM D 51589	180	180	180
Foam Sequence I	ml/ml	ASTM D 892	30/Nill	30/Nill	30/Nill
Foam Sequence I	ml/ml	ASTM D 892	20/Nill	20/Nill	20/Nill
Foam Sequence I	ml/ml	ASTM D 892	30/Nill	30/Nill	30/Nill
Air Release	min	ASTM D3427	2	3	4
Turbine Oil Stability Test (TOST)	hrs.	ASTM D943	10,000+	10,000+	10,000+
RBOT	min	ASTM D2272	1,000+	1,000+	1,000+
Rust Test		ASTM D665A/B	Pass	Pass	Pass
Copper Corrosion		ASTM D130	1a	1a	1a
FZG, Fail Load Stage		DIN 51354	6	7	7

The typical characteristics mentioned represent mean values

Health and Safety

This product used as per our recommendation for the intended application is not expected to produce any particular risk. A safety data sheet of it is available upon request from our sales contact office or on our website. In case of used oil disposal, please respect the Regulations to protect the environment.

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