Eiffel Turbo T series

High Quality Industrial Steam and Gas – Zinc Free Turbine Oils

Product Data Sheet

Product Description

Eiffel Turbo T series are high performance zinc free turbine oils formulated with high quality hydro treated base stocks and advanced additive technology, to provide exceptional equipment protection and reliability in most non-geared steam turbine systems and low to moderate duty gas turbines. They are designed to demonstrate excellent oxidation stability, resistance to sludge & varnish formation, protection against rust & corrosion, low foaming and excellent demulsibility.

Features & Benefits

- Excellent hydrolytic, thermal & oxidation stability prevents varnish & sludge formation and helps in extending life of oil and filter.
- Excellent water shedding property reduces sludge build up and improves efficiency of timing valves.
- Excellent air release & anti-foaming characteristics, avoids cavitation, noise and eratic operations.
- Excellent load carrying properties reduces wear in bearings and gears.
- Excellent protection from rust and corrosion of multi-metallurgy turbine components.

Specifications

Eiffel Turbo T series meets or exceeds following International and Builder specifications:

- DIN 51515 Part-1 & Part-2
- MAN Turbo Quality Requirement for Lubricants
- Siemens (non-EP) - TLV 9013 04,TLV 9013 05
- GE GEK 28413B/27070/32568J/107395A/46506E
- British Standard BS489 & Solar ES9-224W
- Alstom Power Turbo HTGD 90-117 V0001X (non-EP)

Application

- Eiffel Turbo T series are suitable for use in Non-geared industrial steam and gas turbines operating under low to medium severity conditions.
- Suitable for use in heavy duty industrial compressor applications lubricated by centralized systems.

Typical Characteristics

Eiffel Turbo T series	Test Method	Units	32	46	68
ISO Viscosity Grade	ISO 3448	-	32	46	68
Density @ 15 ^{0}C	ASTM D 4052	gm/cc	0.870	0.872	0.875
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	32.2	46.5	68.8
Viscosity @ 100 ^{0}C	ASTM D 445	cSt	5.62	7.10	9.16
Viscosity Index	ASTM D 2270	-	112	110	108
Pour Point	ASTM D 97	°C	-30	-30	-27
Flash Point (COC)	ASTM D 92	°C	224	230	234
TOST, Hours to 2 NN	ASTM D 943	Hours	>10,000	>10,000	>10,000
Copper Strip Corrosion	ASTM D 130	-	1A	1A	1A
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass
Air Release , 50 ^{0}C	ASTM D 3427	mins	3	4	4
Foam Seq I,II,III	ASTM D 892	ml/ml	0/0	0/0	10/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	10

The above figures are typical of blends with normal production tolerance and do not constitute a specification.