



TURBINE OIL

32

Product Description:

TURBINE OIL 32 is a supreme performance turbine oil specially designed for use in non-geared steam turbines, gas turbines and combined cycle gas turbines (CCGT) including the gas turbines operating at high temperatures.

TURBINE OIL 32 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Outstanding thermal and oxidation stability.
- Prevents sludge formation, controls deposits and minimizes oil degradation.
- Excellent water separation capability resists formation of emulsion and leads to 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.
- Increased conductivity to prevent build-up of electrostatic charges (microsparks) than can cause fire/explosion hazards.

TURBINE OIL 32 exceeds the following performance criteria:

ASTM D4304 Type I
ALSTOM HTGD 90117 W (non EP)
AIST 125
Siemens TLV 9013 04 & 05 (non EP)

DIN 51515-1 (TD) **DIN 51515-2 (TG)**
GEK 107395A/27070/32568J/46506E
Solar ES 9-224
Fives Cincinnati P-38



Property	Unit	Test Method	Typical Value
ISO VG Grade		ISO 3448	32
Density@15°C	kg/m ³	ASTM D4052	853
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	32.3
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	5.7
Viscosity Index		ASTM D2270	118
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-31
Copper Corrosion		ASTM D130	1b
Air Release Value @50°C	Minutes	ASTM D3427	<4:00
Total Acid Number	mgKOH/g	ASTM D664	0.1
Water separability @54°C	Min.	ASTM D1401	10
Oil Stability Test (TOST)	Hrs	ASTM D943	>10.000

Product Nr: 44550
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