

## TURBINE POWER 32

### Turbine Oil

**TURBINE POWER 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 POWER 32** is based on high quality 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.

**TURBINE POWER 32** meets the following performance criteria:

ASTM D4304 Type I  
ALSTOM HTGD 90117 W  
Solar ES 9-224 Siemens

DIN 51515-1 (TD)                      DIN 51515-2 (TG)  
GEK 107395A/27070/28143A/32568J/46506E  
TLV 9013 04 (non EP)

### Typical Analysis

Properties	Unit	Method	Typical Value
Density @15 °C	kg/m <sup>3</sup>	ASTM D4052	853
Kin. Viscosity @40 °C	mm <sup>2</sup> /s	ASTM D7042	32.3
Kin. Viscosity @100 °C	mm <sup>2</sup> /s	ASTM D7042	5.7
Viscosity Index		ASTM D2270	117
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-31
Total Acid Number	mgKOH/g	ASTM D664	0.1
Copper Corrosion		ASTM D130	1b
Air Release Value @50 °C	Minutes	ASTM D3427	<4:00
Water separability @54 °C		ASTM D1401	Pass
Oil Stability Test (TOST)	Hrs	ASTM D943	>6.000
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