

## TURBINE POWER 68

### Turbine Oil

**TURBINE POWER 68** is a supreme performance turbine oil specially designed for use in geared and non-geared steam turbines, gas turbines and combined cycle gas turbines (CCGT) including the gas turbines operating at high temperatures.

**TURBINE POWER 68** 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.
- Superior anti-wear property and load carrying capability provide excellent protection for geared turbines.
- 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 68** meets the following performance criteria:

ASTM D4304 Type II	DIN 51515 TD/TG	ISO 8086 TSE/TGE/TSA/TGA
ALSTOM HTGD 90117 V	GEK Solar ES 9-224, Class II	ALSTOM HTGD 90117W
32568E/32568F/46506D/28143A/107395A/101941A		Siemens TLV 9013 04

### Typical Analysis

Properties	Unit	Method	Typical Value
Density @15 °C	kg/m <sup>3</sup>	ASTM D4052	858.1
Kin. Viscosity @40 °C	mm <sup>2</sup> /s	ASTM D7042	68.0
Kin. Viscosity @100 °C	mm <sup>2</sup> /s	ASTM D7042	9.2
Viscosity Index		ASTM D2270	120
Flash Point COC	°C	ASTM D92	>204
Pour Point	°C	ASTM D7346	-21
Total Acid Number	mgKOH/g	ASTM D664	0.09
Copper Corrosion		ASTM D130	1b
Air Release Value @50 °C		ASTM D3427	Pass
Water separability @54 °C		ASTM D1401	Pass
FZG, Fail Load Stage		DIN 51534-2	10
Oil Stability Test (TOST)	Hrs	ASTM D943	>10.000
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