

TURBINE POWER 46

Turbine Oil

TURBINE POWER 46 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 46 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 46 meets the following performance criteria:

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

Typical Analysis

Properties	Unit	Method	Typical Value
Density @15°C	kg/m ³	ASTM D4052	856
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	47
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	7.3
Viscosity Index		ASTM D2270	97
Flash Point COC	°C	ASTM D92	>204
Pour Point	°C	ASTM D7346	-28
Total Acid Number	mgKOH/g	ASTM D664	0.1
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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