Product Data Sheet

TURBINE OIL 68

Product Description:

TURBINE OIL 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 OIL 68 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.
- 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 OIL 68 exceeds the following performance criteria:

ASTM D4304 Type I
Alstom HTGD 90117 W (non EP)
GEK 27070,32568J,46506E,107395A
Solar Turbines ES9-224
DIN 51515-1 (TD)
Fives Cincinnati P-54
Siemens TLV 9013 04 & 05 (non EP)
AIST 125
DIN 51515-2 (TG)
AGMA 9005-E02(R&O)

Property	Unit	Test Method	Typical Value
ISO VG Grade		ISO 3448	68
Density@15°C	kg/m^3	ASTM D4052	858.1
Kin. Viscosity @40°C	mm^2/s	ASTM D7042	68.0
Kin. Viscosity @100°C	mm^2/s	ASTM D7042	9.2
Viscosity Index		ASTM D2270	120
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-18
Total Acid Number	mgKOH/g	ASTM D664	0.1
Copper Corrosion		ASTM D130	1b
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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77 B.V. | Van Ewijckskade 1C
1761 JA Anna Paulowna, The Netherlands | info@77lubricants.nl
www.77lubricants.com