



Turbine Oil 68

Product Code: 77830

High performance turbine oil ISO VG 68

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 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	DIN 51515-1 (TD)	DIN 51515-2 (TG)
ALSTOM HTGD 90117 Z	GEK 107395A/27070/28143A/32568J/46506E	
Solar ES 9-224	Siemens TLV 9013 05 (EP)	GB 11120-2011 L-TSA
GB 11120-2011 L-TGA	ISO 8068:2006(E) L-TSA	ISO 8068:2006(E) L-TGA
BS 489:1999		

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	68
Density @15°C	kg/m ³	ASTM D4052	864
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	66.6
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	9.1
Viscosity Index		ASTM D2270	112
Flash Point COC	°C	ASTM D92	>213
Pour Point	°C	ASTM D7346	-21
Total Acid Number	mgKOH/g	ASTM D974	0.1
Copper Corrosion		ASTM D130	1A
Air Release Value @50°C	Minutes	ASTM D3427	8
Water separability @54°C	Minutes	ASTM D1401	10
Oil Stability Test (TOST)	Hrs	ASTM D943	>10.000

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