

## NORDIC TURBINE OIL VG 68

### High performance turbine oil ISO VG 68

**NORDIC TURBINE OIL VG 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.

**NORDIC TURBINE OIL VG 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.

**NORDIC TURBINE OIL VG 68** exceeds the following performance criteria:

ASTM D4304 Type I  
ALSTOM HTGD 90117 Z  
Solar ES 9-224  
GB 11120-2011 L-TGA  
BS 489:1999

DIN 51515-1 (TD)  
GEK 107395A/27070/28143A/32568J/46506E  
Siemens TLV 9013 05 (EP)  
ISO 8068:2006(E) L-TSA

DIN 51515-2 (TG)  
GB 11120-2011 L-TSA  
ISO 8068:2006(E) L-TGA

## Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	68
Density @15°C	kg/m <sup>3</sup>	D4052	866
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	68
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	9.5
Viscosity Index		D2270	108
Flash Point COC	°C	D92	>213
Pour Point	°C	D97	-27
Total Acid Number	mgKOH/g	D664	0.2
Copper Corrosion		D130	1b
Air Release Value @50°C	Minutes	D3427	Pass
Water separability @54°C		D1401	Pass
FZG, Fail Load Stage		DIN 51534-2	10
Oil Stability Test (TOST)	Hrs	D943	>10.000

Date Issued: 06-05-2021	Supersedes:	Revision Nr.: 1
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