

# PRODUCT SPECIFICATIONS

## LUBRICATING OILS

No.

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Date

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## TEBOIL TURBINE 46

### Turbine oil

CHARACTERISTICS	MIN.	TYPICAL	MAX.	METHOD
Density @20°C, kg/m <sup>3</sup>		866		ASTM D 4052
Viscosity @100°C, mm <sup>2</sup> /s		6,8		ASTM D 445
Viscosity @40°C, mm <sup>2</sup> /s	41,4	46	50,6	ASTM D 445
Viscosity index		105		ASTM D 2270
Pour point, °C		-12	-6	ASTM D 97
Flash point (COC), °C		220		ASTM D 92
Oxide ash, wt%		<0,01		ASTM D 482
TAN, mgKOH/g		0,18		ASTM D 664
Water separability @54°C, min		20	30	ASTM D 1401
Air release @ 50°C, min		6,8		ASTM D 3427
Water content, wt%		nil		ASTM D 95
Water content, mg/kg		<100	200	ASTM D 1744
Metal content (Ca, Zn, P, Pb), mg/kg		< 3		AAS/ICP
Metal content (Si), mg/kg		5		AAS/ICP
Rust preventing characteristics		no rust		ASTM D 665 (steel)
Corrosion preventing characteristics		1a/1b		ASTM D 130 (copper)
Oxidation stability, min	300	460		ASTM D 2272 (RBOT)
Elastomeric characteristics: (Rubber plate test)				
- Volumetric change, %		5,0		ISO 6072
- Mass change, %		3,0		ISO 6072
Elastomeric characteristics: (Rubber ring test)				
- Volumetric change SV, %		5,0		ISO 6072, annex B
- Linear swell SD, %		2,0		ISO 6072, annex B

### Note

These specifications are subject to change without infringement of signed agreements.