

PRODUCT SPECIFICATIONS

LUBRICATING OILS

No.

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Date

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TEBOIL TURBINE XOR 46

Turbine oil

CHARACTERISTICS	MIN.	TYPICAL	MAX.	METHOD
Density @20°C, kg/m ³		837		ASTM D 4052
Viscosity @100°C, mm ² /s		7,3		ASTM D 445
Viscosity @40°C, mm ² /s	41,4	43	50,6	ASTM D 445
Viscosity index		135		ASTM D 2270
Pour point, °C		-12	-6	ASTM D 97
Flash point (COC), °C		250		ASTM D 92
Oxide ash, wt%		<0,01		ASTM D 482
TAN, mgKOH/g		0,18		ASTM D 664
Water separability @54°C, min		10	30	ASTM D 1401
Air release @ 50°C, min		2,0		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		ASTM D 130 (copper)
Oxidation stability, min	300	878		ASTM D 2272 (RBOT)
Elastomeric characteristics: (Rubber plate test)				
- Volumetric change, %		3,6		ISO 6072
- Mass change, %		2,2		ISO 6072
Elastomeric characteristics: (Rubber ring test)				
- Volumetric change SV, %		3,1		ISO 6072, annex B
- Linear swell SD, %		1,0		ISO 6072, annex B

Note

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