

Q8 Volta EP 46

Description

High performance turbine oil for gas- and steam turbine circulation systems, including geared systems.

Specifications

- Officially approved by:
 - Siemens TLV 9013 04
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 - Alstom HTGD 90 117
 - MAN Turbo SPD 10000494596
- Exceeds OEM and industry specifications:
 - DIN 51515-1 L-TDP
 - DIN 51515-2 L-TGP
 - ASTM D 4304, Type II (EP)
 - ISO 6743-5, ISO 8068
 - ISO L-TSE/L-TGE/L-TGF/L-TGSE
 - JIS K 2213 Type 2
 - Siemens MAT812109
 - Solar Turbines / Turbomach ES 9-224 (Class II)
 - British Standard 489

Benefits

- Long trouble free service
- Based on high quality Group III base fluid
- One product for steam- and gas turbines
- Excellent protection against rust and corrosion
- Outstanding resistance against ageing/oxidation
- Very good water separation performance
- Rapid air release properties
- Excellent wear protection for geared systems



Properties	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Kinematic Viscosity, 40 °C	D 445	mm ² /s	46.0
Kinematic Viscosity, 100 °C	D 445	mm ² /s	7.6
Viscosity Index	D 2270	-	131
Appearance, Visual	-	-	Bright and clear
Copper corrosion	D 130	-	1
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (10)
Flash Point, COC	D 92	°C	240
Foam, 5 min blowing, seq. 1/2/3	D 892	ml	0/0/0
10 min settling, seq. 1/2/3		ml	0/0/0
Total Acid Number	D 664	mg KOH/g	0.03
Pour Point	D 97	°C	-12
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Air Release, 50 °C	DIN 51381	min	3
Rotary Bomb, Oxidation Test, 150 °C	D 2272	min	1150
Oxidation, Time to 2.0 TAN	D 943	hours	>10.000
FZG Test, A/8.3/90	DIN 51354/2	load stage	9

The figures above are not a specification. They are typical figures obtained within production tolerances.

