

# Q8 Volta 46

### Description

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

### Specifications

- Officially approved by:
  - Siemens TLV 9013 04
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  - Alstom Power HTGD 90117
  - MAN Turbo SPD 10000494596
- Exceeds OEM and industry specifications:
  - DIN 51515-1 L-TD
  - DIN 51515-2 L-TG
  - ASTM D 4304, Type I
  - ISO 6743-5, ISO 8068
  - ISO L-TSA/L-TGA/L-TGB/L-TGSB
  - JIS K 2213 Type 2
  - 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

Properties	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	46.0
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /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

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

