

# Q8 Volta 46

Ultra-high performance turbine oil

### Description

Q8 Volta 46 is an ultra-high performance synthetic (Group III) turbine oil. This product is developed for use in steam and gas turbine circulation systems. Due to the outstanding oxidative and thermal stability Q8 Volta 46 is specifically suitable for extreme operating conditions and high-temperature gas turbine operations. Designed as part of the Q80ils clean technology program to ensure superior varnish/deposit control in combination with long oil life.

### **Applications**

Industrial steam- and gas turbines Hydroelectric turbines Circulation systems where R&O type turbine oil is required Centrifugal- and axial pumps, and turbo-compressors, where R&O type turbine oil is recommended

<i>Features</i> Extended oil life	<b>Benefits</b> Superior oxidative stability, guaranteeing long oil life under continuous and severe operating conditions
Enhanced technology	Engineered with superior air release properties, exceptional anti-foaming performance and rapid water separation to ensure problem-free service
Lower operational costs	One product that combines exceptional thermal stability as needed for severe duty gas turbines as well as superior water separability for high performance steam turbine operations

## Specifications & Approvals

ASTM	D 4304, Type I	ISO	6743-5 L-TSA
Alstom Power	HTGD 90117	ISO	8068
British Standard	489	JIS	К 2213 Туре 2
DIN	51515-1 L-TD	MAN Turbo	SPD 10000494596
DIN	51515-2 L-TG	Siemens	TLV 9013 04
ISO	6743-5 L-TGA	Siemens	TLV 9013 05
ISO	6743-5 L-TGB	Siemens Westinghouse	21T0591
ISO	6743-5 L-TGSB		

#### Properties

	Method	Unit	Typical
Appearance	Visual	-	Bright and Clear
ISO Viscosity Grade	-	-	46
Kinematic Viscosity, 40 °C	D 445	mm²/s	46.0
Kinematic Viscosity, 100 °C	D 445	mm²/s	7.6
Viscosity Index	D 2270	-	131
Total Acid Number	D 664	mg KOH/g	<0.03
Pour Point	D 97	°C	-12
Flash Point, COC	D 92	°C	240
Air Release, 50 °C	D 3427	min	3
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (10)
Foam, 10 min settling, seq. 1-2-3	D 892	ml	0/0/0
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	0/0/0
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Copper Strip, 3 h, 100 °C	D 130	-	1

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