

## Q8 Volta 32

Ultra-high performance turbine oil

### Description

Q8 Volta 32 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 32 is specifically suitable for extreme operating conditions and high-temperature gas turbine operations. Designed as part of the Q8Oils 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

#### Features

#### Benefits

##### Extended oil life

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

<b>ASTM</b>	D 4304, Type I	<b>ISO</b>	6743-5 L-TGSB
<b>Alstom Power</b>	HTGD 90117	<b>ISO</b>	6743-5 L-TSA
<b>British Standard</b>	489	<b>ISO</b>	8068
<b>DIN</b>	51515-1 L-TD	<b>JIS</b>	K 2213 Type 2
<b>DIN</b>	51515-2 L-TG	<b>MAN Turbo</b>	SPD 10000494596
<b>GE Energy</b>	GEK 107395	<b>Siemens</b>	TLV 9013 04
<b>GE Energy</b>	GEK 32568	<b>Siemens</b>	TLV 9013 05
<b>ISO</b>	6743-5 L-TGA	<b>Siemens Westinghouse</b>	21T0591
<b>ISO</b>	6743-5 L-TGB	<b>Siemens Westinghouse</b>	M-Spec 55125Z3

### Properties

	Method	Unit	Typical
Appearance	Visual	-	Bright and Clear
ISO Viscosity Grade	-	-	32
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	32.0
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	5.9
Viscosity Index	D 2270	-	132
Total Acid Number	D 664	mg KOH/g	<0.03
Pour Point	D 97	°C	-12
Flash Point, COC	D 92	°C	230
Air Release, 50 °C	D 3427	min	2
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (5)
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.