

## Q8 van Gogh 32

High performance turbine oil

### Description

Q8 van Gogh 32 is a high performance turbine oil based on selected premium base fluids. This product is developed for use in steam and gas turbine circulation systems. Q8 van Gogh 32 meets the challenges of the latest generation turbines making it suitable to operate under mild to severe conditions. 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, gas booster compressors (GBC) where R&O type turbine oil is recommended

### Features

### Benefits

**Turbine performance**

Long trouble free service life, excellent turbine protection and outstanding resistance against ageing

**Enhanced technology**

Outstanding formulation in order to protect the turbine against corrosion and to minimize the build-up of deposits and lacquer in the turbine

**Lower operational costs**

Specifically developed with excellent protection against the formation of varnish

### Specifications & Approvals

ASTM	D 4304, Type I	ISO	8068
British Standard	489	Indian Standard	IS 1012:2002
Chinese Standard	GB 11120-2011	JIS	K 2213 Type 2
DIN	51515-1 L-TD	Siemens	TLV 9013 04
DIN	51515-2 L-TG	Siemens	TLV 9013 05
ISO	6743-5 L-TGA	Siemens Westinghouse	M-Spec 55125Z3
ISO	6743-5 L-TSA		

## Properties

	Method	Unit	Typical
Appearance	Visual	-	Bright and Clear
Density, 15 °C	D 4052	g/ml	0,865
ISO Viscosity Grade	-	-	32
Kinematic Viscosity, 0 °C	D 445	mm <sup>2</sup> /s	350
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	32
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	5.52
Viscosity Index	D 2270	-	109
Total Acid Number	D 974	mg KOH/g	0.05
Pour Point	D 97	°C	-36
Flash Point, COC	D 92	°C	220
Colour	D 1500	-	L 0.5
Air Release, 50 °C	D 3427	min	1.1
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	10/10/10
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Copper Strip, 3 h, 100 °C	D 130	-	1
Oxidation Characteristics (TOST)	D 943	hrs	>10.000
Oxidation Stability (RPVOT)	D 2272	min	>1.000
Modified Oxidation Stability (RPVOT)	D 2272	%	95
Zinc content	D 4951	mg-kg	absent (<5)
Solid Foreign Particles	Millipore, 0.45 µm	-	absent
Steam Demulsibility	DIN 51589-1	sec.	60
Q panel rust preventive test, 24 hr @ 27 °C	KPI 31	Rating	
Oxide Ash	D 482	% mass	<0.01

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

## Sustainability

The product Carbon Footprint (PCF), cradle-to-gate (Q8Oils state of the art facility in Belgium), of Q8 van Gogh 32 is **1.21** kg CO<sub>2</sub>eq / kg.

Please contact Q8Oils to learn more about the positive environmental impact, the handprint, of this product.

For more info check here

