

## Q8 van Gogh 100

High performance turbine oil

### Description

Q8 van Gogh 100 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 100 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, where R&O type turbine oil is recommended

### Features

#### Turbine performance

### Benefits

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	6743-5 L-TGA
British Standard	489	ISO	6743-5 L-TSA
DIN	51515-1 L-TD		

### Properties

	Method	Unit	Typical
Appearance	Visual	-	Bright and Clear
Density, 15 °C	D 4052	g/ml	0,885
ISO Viscosity Grade	-	-	100
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	100
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	11.2
Viscosity Index	D 2270	-	97
Total Acid Number	D 974	mg KOH/g	0.08
Pour Point	D 97	°C	-12
Flash Point, COC	D 92	°C	254
Colour	D 1500	-	L 1.0
Air Release, 50 °C	D 3427	min	5
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	10/10/10
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Copper Strip, 3 h, 100 °C	D 130	-	1
Q panel rust preventive test, 24 hr @ 27 °C	KPI 31	Rating	
Oxide Ash	D 482	% mass	<0.01
Solid Foreign Particles	Millipore, 0.45 µm	-	absent
Oxidation Stability (RPVOT)	D 2272	min	>1.000
Modified Oxidation Stability (RPVOT)	D 2272	%	95
Zinc content	D 4951	mg/kg	absent (<5)

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

