PRODUCT DATA SHEET

Q8 van Gogh 68

High performance turbine oil

Description

Q8 van Gogh 68 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 68 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	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**	6743-5 L-TSA
British Standard	489	**JIS**	K 2213 Type 2
ISO	6743-5 L-TGA		

Properties

	Method	Unit	Typical
Appearance	Visual	-	Bright and Clear
Density, 15 °C	D 4052	g/ml	0,871
ISO Viscosity Grade	-	-	68
Kinematic Viscosity, 40 °C	D 445	mm²/s	68
Kinematic Viscosity, 100 °C	D 445	mm²/s	9.14
Viscosity Index	D 2270	-	105
Total Acid Number	D 974	mg KOH/g	0.08
Pour Point	D 97	°C	-15
Flash Point, COC	D 92	°C	236
Colour	D 1500	-	L 0.5
Air Release, 50 °C	D 3427	min	3.7
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0(10)
Steam Demulsibility	DIN 51589-1	sec.	60
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
Q panel rust preventive test, 24 hr @ 27 °C	KPI 31	Rating	
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
Oxide Ash	D 482	% mass	<0.01
Zinc content	D 4951	mg-kg	absent (<5)
Solid Foreign Particles	Millipore, 0.45 µm	-	absent

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