PRODUCT DATA SHEET

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*	*mm²/s*	*350*
Kinematic Viscosity, 40 °C	*D 445*	*mm²/s*	*32*
Kinematic Viscosity, 100 °C	*D 445*	*mm²/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_2eq / kg.*
Please contact Q8Oils to learn more about the positive environmental impact, the handprint, of this product.
To ensure accuracy and reliability, the PCF calculation tool has been verified by an independent third party. The verification report is available in the disclaimer.
For more info check here

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