PRODUCT DATA SHEET

Q8 van Gogh EP 32

High performance turbine oil

Description

Q8 van Gogh EP 32 is a high performance turbine oil based on selected premium base fluids. This product is developed for use in steam and gas turbines as well as combined cycle applications, including geared turbines. Q8 van Gogh EP 32 meet 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 and good load carrying capabilities in combination with long oil life.

Applications

Industrial steam- and gas turbines, including geared turbines and combined cycle operations Hydroelectric turbines Circulation systems where turbine oil quality is required Centrifugal- and axial pumps, and turbo-compressors, gas booster compressors (GBC) where turbine oil quality is recommended

Features	Benefits
Turbine performance	*Long trouble free service life, excellent turbine protection and outstanding resistance against ageing*
Enhanced technology	*Developed with outstanding anti-wear/extreme pressure protection to meet the load carrying requirements of geared turbines*
Lower operational costs	*Specifically developed with excellent protection against the formation of varnish*

Specifications & Approvals

ASTM	D 4304, Type II (EP)	**GE Thermodyn**	ISPSH901SDI
British Standard	489	**ISO**	6743-5 L-TGE
Chinese Standard	GB 11120-2011	**ISO**	6743-5 L-TSE
DIN	51515-1 L-TDP	**ISO**	8068
DIN	51515-2 L-TGP	**Indian Standard**	IS 1012:2002
GE Energy	GEK 101941	**JIS**	K 2213 Type 2
GE Energy	GEK 107395	**Siemens**	MAT812108
GE Energy	GEK 121608	**Siemens**	TLV 9013 04
GE Energy	GEK 28143	**Siemens**	TLV 9013 05
GE Energy	GEK 32568	**Siemens Westinghouse**	M-Spec 55125Z3
GE Energy	GEK 46357	**Solar Turbines**	ES 9-224 (Class I)
GE Energy	GEK 46506	**Turbomach**	ES 9-224 (Class I)

Properties

	Method	*Unit*	*Typical*
Density, 15 °C	*D 4052*	*g/ml*	*0,87*
Kinematic Viscosity, 40 °C	*D 445*	*mm²/s*	*32.0*
Kinematic Viscosity, 100 °C	*D 445*	*mm²/s*	*5.3*
Viscosity Index	*D 2270*	*-*	*98*
Total Acid Number	*D 974*	*mg KOH/g*	*0.13*
Oxidation Characteristics (TOST)	*D 943*	*hrs*	*> 10.000*
Foam, 5 min blowing, seq. 1-2-3	*D 892*	*ml*	*10/10/110*
Foam, 10 min settling, seq. 1-2-3	*D 892*	*ml*	*0/0/0*
Modified Oxidation Stability (RPVOT)	*D 2272*	*%*	*95*
Pour Point	*D 97*	*°C*	*-36*
Flash Point, COC	*D 92*	*°C*	*220*
Colour	*D 1500*	*-*	*L 1.0*
Air Release, 50 °C	*D 3427*	*min*	*3*
Rust Test, Proc. A and B, 24 h	*D 665*	*-*	*pass*
FZG Test, A/8.3/90	*DIN 51354*	*load stage*	*10*
Zinc content	*D 4951*	*mg-kg*	*< 5*
Emulsion, Distilled Water, 54.4 °C	*D 1401*	*-*	*40/40/0 (10)*

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 EP 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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