

## Q8 Verne 46

Fire-resistant fluid for EHC systems of turbines

### Description

Q8 Verne is ISO HFDR fire-resistant hydraulic fluid based on high quality Tri-Aryl Phosphates. The product is recommended for use in Electrohydraulic governor control systems (EHC) of turbines.

### Applications

Fire-resistant hydraulic fluid for EHC systems of turbines

#### Features

##### Enhanced technology

#### Benefits

Superior product which is inherently fire resistant

Superior quality that exceeds the requirements of major gas- and steam turbine manufacturers

Exceptional air release properties and superior filterability characteristics to ensure safe and reliable operations

### Specifications & Approvals

ASTM	D 4293	ISO	5598 HFDR
GE Energy	GEK 46357	Siemens	TLV 9012 02
ISO	12922		

### Properties

	Method	Unit	Typical
Density, 15 °C	D 4052	g/ml	1,133
ISO Viscosity Grade	-	-	46
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	43.4
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	5
Total Acid Number	D 974	mg KOH/g	0,01
Pour Point	D 97	°C	-21
Flash Point, COC	D 92	°C	270
Fire Point, COC	D 92	°C	356
Chlorine	ASTM D 6443	% mass	< 0,0002
Water content	D 1123	%	0,03
Foaming properties at 25 °C	D 1881	ml	10/0
Autoignition Temperature	-	°C	575
Colour	Visual	-	Colourless
Air Release, 50 °C	D 3427	min	1
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0

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

### Remarks

The original manufacturers recommendation should be followed