

Hydransafe HFC-E 68

Premium fire-resistant and environmentally friendly, water / polymer - based hydraulic fluid with outstanding mechanical properties

APPLICATIONS

Hydraulic circuits in fire and environmentally sensitive applications such as mining, tunneling, offshore, steel industry and others.

Hydransafe HFC-E 68 is an easily biodegradable, fire - resistant hydraulic fluid, falling under the HFC-E classification, developed to replace standard mineral oils with equal equipment protection.

Hydransafe HFC-E 68 provides highly advanced fire risk and environmental management without compromising mechanical performances.

Hydransafe HFC-E 68 is designed to work on all kinds of hydraulics pumps in various conditions, in mobile and stationary equipment.

SPECIFICATIONS

Tested according to the following standards:

7th Luxembourg report

DIN EN ISO 12922

RAG Standard N 762010

ADVANTAGES

Excellent fire-resistance thanks to its water content

Excellent anti-wear properties

Excellent mechanical properties and enhanced pump protection

Enhanced protection against corrosion

Easily biodegradable and non-toxic product

APPROVALS

Approved by:

Advantec

GHH

Eickhoff

GTA

RAG

Danieli

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Hydransafe HFC-E 68
Density at 15°C	kg/m ³	DIN 51757	1114
Viscosity at 40°C	mm ² /s	ASTM D 7042	ISO VG 68
pH at 20°C	-	DIN 51369	9.4
Pourpoint	°C	ISO 3016	-39
Biodegradability	%	OECD 301 C	>90
FZG	Load stage	ISO 14635-1	>10
Vickers pump test: Weight loss after 250hrs	mg	ISO 20763	Ring: 3 Vane: 1

SEAL COMPATIBILITY

For **static and slightly dynamic seals** we recommend **PTFE, NBR and EPDM**.

For **highly dynamic seals** like radial shaft seals, we recommend **PTFE**.

FKM (Viton) seals are incompatible and must be avoided.

These figures are based on experience and are not necessarily binding. Should specific materials be used, we recommend carrying out a preliminary test.

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