

Hydransafe HFC 146

Fire-resistant hydraulic fluid

APPLICATIONS

Hydraulic circuits.

Hydransafe HFC 146 is a high-performance synthetic water-polymer, fire-resistant hydraulic fluid.

Designed for hydraulic circuits of Furnaces, Continuous Casting Units in the Steel and Aluminum Industry, Heat-treat Ovens for quenching operations, Drying Furnace, and other applications in fire risk areas, as in mining industry...

Hydraulic systems of mold injection machines.

Operating temperature range is from - 20 °C to + 60 °C.

When changing from a mineral oil based hydraulic system components and to apply an appropriate cleaning of the hydraulic system.

ADVANTAGES

Excellent anti-wear performance, insuring a long life of the equipment.

Very good corrosion protection properties.

Good air release and good anti-foam properties.

Thanks to its formulation, Hydransafe HFC 146 has a long service life and provides reduction in maintenance costs.

Excellent fire resistance due to high water content.

It is miscible with the other HFC type fluids, nevertheless, a compatibility test is advised.

The very good filterability of Hydransafe HFC 146 permits fine filtration.

SPECIFICATIONS

EN ISO 12922 HFC

ISO 6743/4 HFC

Fulfill the requirements according to the 7th Luxembourg report.

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 146
Appearance	-	Visual	Green/yellow
Density at 20°C	kg/m ³	ASTM D4052	1080
Viscosity at 20°C	mm ² /s	ASTM D445	99.5
Viscosity at 40°C	mm ² /s	ASTM D445	46
Viscosity index	-	ASTM D2270	206
Pour point	°C	ASTM D97	<-55
pH at 20°C	-	ASTM D1172	8.9
4 ball wear test, scar diameter	mm	NF 60603	0.61
Spray ignition test	RI	7 th Lux. report	1
Wick test	-	7 th Lux. report	2

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