

HYDRANSAFE HFC 46



Lubrication

Fire resistant hydraulic fluid.

APPLICATIONS

Hydraulic fluid

- **HYDRANSAFE HFC 46** is a high performance synthetic water-polymer, fire-resistant hydraulic fluid, based on monopropylenglycol.
- regulation and hydraulic circuits of Furnaces, Continuous Casting Units in the Steel and Aluminium Industry, Heat-treat Ovens for quenching operations, Drying Furnace and other applications in fire risk areas, as in mining industry...
- Hydraulic systems of mould 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.

SPECIFICATIONS

International Specifications

- ISO 6743/4 HFC
- AFNOR NF E 48.603 HFC

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 46** 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 46** permit fine filtration.

TYPICAL CHARACTERISTICS	METHODS	UNITS	HYDRANSAFE HFC 46
Appearance	Visual		Green-yellow
Density at 15 °C	ASTM D 4052	kg/m ³	1054
Viscosity at 20°C	ASTM D 445	mm ² /s	105.6
Viscosity at 40°C	ASTM D 445	mm ² /s	45.4
Viscosity index	ASTM D 2270	-	205
Pour point	ASTM D 97	°C	- 45
pH at 20 °C	ASTM D 1172	-	8.7
4 ball wear test, scar diameter	NF 60603	mm	0.7
Spray ignition test	7 th Lux. Report	RI	1
Wick test	7 th Lux. Report		2

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités

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HYDRANSAFE HFC 46

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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 adviser or down loaded from www.quick-fds.com.

