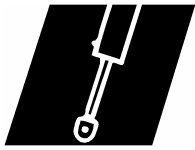


HYDRANSAFE HFA S1



Lubrication

Fire resistant hydraulic fluid.

APPLICATIONS

Hydraulic fluid

- **HYDRANSAFE HFA S1** is a synthetic water soluble hydraulic fluid concentrate, for use in hydraulic systems that are equipped to operate with fire resistant hydraulic fluid type HFA, water solutions.
- **HYDRANSAFE HFA S1** is normally used as a concentration of 3% in demineralized water or tap water.
- **HYDRANSAFE HFA S1** is designed for operating in possible fire risk areas, such as in Coke Oven Plants and Rolling Mills in the steel industries, in Mining and in Foundry.
- Operating temperature range is from +5 to 55°C.
- Storage temperature of + 5°C to + 50°C is recommend.

SPECIFICATIONS

International Specifications

- ISO 6743/4 HFAS

ADVANTAGES

- **HYDRANSAGE HFA S1** produces a single phase, extremely stable, oil free solution.
- **HYDRANSAFE HFA S1** solution provides excellent filterability properties, which permit fine filtration.
- **HYDRANSAFE HFA S1** solution has a very low foam tendency and is compatible with the usual type of elastomers used in HFA type of hydraulic installations.
- The very good anti wear properties of the **HYDRANSAFE HFA S1** solution ensure a high reduction on friction, resulting in a long life of the equipment.
- **HYDRANSAFE HFA S1** solution provides excellent protection against corrosion to all metals normally used in hydraulic systems.
- **HYDRANSAFE HFA S1** solution is resistant to bacterial and fungal growth. There is no unnecessary and costly downtime and unpleasant smell. Its durability provide a long life time of the solution and reduces maintenance – with service intervals up to 6 times longer than mineral oil based HFA emulsions (type HFAE fluids). **HYDRANSAFE HFA S1** solution provides excellent protection against corrosion to all metals normally used in hydraulic systems.



TOTAL

TYPICAL CHARACTERISTICS	METHODS	UNITS	HYDRANSAFE HFA S1
Appearance	Visual		Yellow – brown solution
Density at 20 °C	ASTM D 4052	kg/m ³	1053
Viscosity at 40°C	ASTM D 445	mm ² /s	5.0
Freezing point	ASTM D 97	°C	- 6
<u>3 % solution in water (11 ° dH)</u>			
pH	ASTM D 1172		8.7
Corrosion test	DIN 51360-2	Rating	0/1
4-ball water, scar diameter	NF 60603	mm	0.78

Above characteristics are mean values given as an information.