

# HYDRANSAFE HFA-S5



## Lubrication



Fire resistant hydraulic fluid.

## APPLICATIONS

### Hydraulic fluid

- HYDRANSAFE HFA-S5 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-S5 is normally used as a concentration of minimum 3% in demineralized water or tap water.
- HYDRANSAFE HFA-S5 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 recommended.

## SPECIFICATIONS

### International Specifications

- ISO 6743/4 HFAS
- HYDRANSAFE HFA S5 is homologated by Hilleader.

## ADVANTAGES

- HYDRANSAFE HFA-S5 produces a single phase, extremely stable, mineral oil free solution once put in a clean hydraulic system in quality water.
- HYDRANSAFE HFA-S5 solution has a very low foam tendency and is compatible with the usual type of elastomers used in HFA type of hydraulic installations (ISO 6072 NBR and FKM).
- HYDRANSAFE HFA-S5 solution provides excellent protection against corrosion to metals normally used in hydraulic systems (ISO IP 287).
- HYDRANSAFE HFA-S5 solution is very resistant to bacterial and fungal growth. Its durability provides a long life time of the solution and reduces maintenance - with service intervals longer than mineral oil based HFA emulsions (type HFAE fluids).

| TYPICAL CHARACTERISTICS      | METHODS     | UNITS              | HYDRANSAFE HFA-S5       |
|------------------------------|-------------|--------------------|-------------------------|
| Appearance                   | Visual      |                    | Yellow - brown solution |
| Density at 15 °C             | DIN 51757   | kg/m <sup>3</sup>  | 1088                    |
| Viscosity at 40°C            | DIN 51562   | mm <sup>2</sup> /s | 8                       |
| <u>3 % solution in water</u> |             |                    |                         |
| pH                           | DIN 51369   |                    | 9.2                     |
| Corrosion test               | DIN 51360-2 | Rating             | 0                       |

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
Industrie & Spécialités  
19-07-2010  
HYDRANSAFE HFA-S5  
1/1



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  
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