

# HYDRANSAFE WG



LUBRICATION



Fire-resistant, water-glycol hydraulic fluid

## APPLICATIONS

Hydraulic systems used  
near fire sources

- **HYDRANSAFE WG FLUID** is a high-performance synthetic water-polymer, fire-resistant hydraulic fluid. **WG** in the name stands for Water-Glycol.
- It may be used in hydraulic circuits that regulate furnaces, continuous casting unit or heat-treat ovens in quenchin operations. It is used in high fire-risk areas. Recommended operating temperature range is from -20 C to 60 C.

## SPECIFICATIONS

International and OEM  
specifications

- Denison HF-4
- ISO 12922 HFC, ISO 6743/4 CATEGORY HFC
- US Steel 171

## ADVANTAGES

Long service life and high  
operating reliability

- Excellent anti-wear performance, insuring a log life of the equipment.
- Excellent fire resistance due to high water content
- Very good corrosion protection properties
- Good air release and anti-foam properties
- Good filterability permits fine filtration
- Good compatibility with most other water-glycol based hydraulic fluids
- Dyed red for easy identification

### TYPICAL CHARACTERISTICS HYDRANSAFE WG

Color, visual	Clear red fluid
Viscosity at 40°C, cSt ASTM D 445	46
Viscosity Index ASTM D 2270	206
Density @ 60°F, lbs. /gal. ASTM D 1298	9.03
Specific gravity @ 60/60°F ASTM D 1298	1.09
Flash point, COC, °F (°C) ASTM D 92	Fire resistant-NA
Pour point °F (°C) ASTM D 97	<-54 (<-47)
pH at 20 C	9.6
Water content by weight %, minimum	40
Reserve alkalinity ASTM D 1121	210
Copper strip corrosion rating ASTM D 130	1A

## OTHER INFORMATION

Not compatible with mineral oil-based hydraulic fluids and/or system components (check seal compatibility). Apply an appropriate cleaning of the hydraulic system when converting to this fluid (ask for instructions). Maintain proper water content to maintain fire resistance.

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**Hydransafe WG**  
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