

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 long 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.

TOTAL Lubricants USA, Inc.

400 Chisholm Place, Suite 418
Plano TX 75075
800-442-5823 or 469-241-0950
www.total-us.com

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5 North Stiles Street
Linden, NJ 07036
908-862-9300 or 800-526-4127
www.total-us.com

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