



Hydraulic Safety Fluid WG

Fire Resistant Hydraulic Fluid

Features & benefits

- Meets Factory Mutual requirements for a less hazardous fluid
- Outstanding fire resistance
- Excellent lubricity and wear protection
- Excellent stability and oxidation resistance
- Wide temperature range



Typical results

Test Method	Hydraulic Safety Fluid WG
APPEARANCE	Clear red fluid
pH	9.5
VISCOSITY @ 40°C (D445) (cSt)	38
POUR POINT (°C)	-46
SPECIFIC GRAVITY 15/15°C	1.08
Vickers V-104-C Pump Test (D2882)	Hydraulic Safety Fluid WG
TEST PERIOD (hrs)	100
DISCHARGE PRESSURE (psi)	2000
FLUID TEMPERATURE (°C / °F)	66 / 150
PUMP SPEED (rpm)	1200
OUTPUT VOLUME (Liters/min) / (Gal/min)	28.4 / 7.5
CAM RING WEAR (mg)	29.4
VANE SET (12) WEAR (mg)	2.4

Sizes & order codes

Size	Hydraulic Safety Fluid WG
18.9 L (5 US gal)	F0087440

Hydraulic Safety Fluid WG is a high-quality water-glycol (WG) fire-resistant hydraulic fluid developed to offer optimal safety where equipment is close to open flames and in elevated temperature settings.

Hydraulic Safety Fluid WG is formulated to resist combustion while providing excellent lubricity, wear, corrosion and rust protection for industrial hydraulic systems.

Hydraulic Safety Fluid WG offers a low pour point to provide excellent cold weather stability for use in conditions as low as -40°C. In high-temperature areas where fire hazards are present, evaporation of the water can happen, causing the fluid to thicken rapidly. This can be countered by frequent monitoring and adding de-ionized water, as necessary.

Note: This fluid should not be considered “non-flammable” but rather “fire-resistant.”



Always consult your owner's manual for verification of fluid type and grade.
Check with sales associate for the latest product approvals and acceptable performance data.
Please note these are typical performance indicators and can change without notice.
This data sheet replaces previous versions prior to December 20, 2024.
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