

PLURASAFE® WGF 46 FG Hydraulic Fluid



PLURASAFE® WGF 46 FG Hydraulic Fluid is an ISO VG 46 grade, water glycol hydraulic fluid certified as “FM approved” by FM Approvals (Factory Mutual), a business unit of FM Global. The fluid components meet the requirements for FDA Specification 21 CFR 178.3570 lubricants with incidental food contact, Subpart F, Food Additive Amendment to the Federal Food, Drug and Cosmetic Act.

PLURASAFE® WGF 46 FG Fluid was designed for food processing applications that require a product to be used in the areas using fryers, ovens, cookers or any other methods requiring heat applications. Most insurance companies and risk management organizations recognize the extra requirements needed using mineral oil, or vegetable oil based hydraulic fluids.

PLURASAFE® WGF 46 FG Fluid is compatible with most seal and hose materials. Materials that soften and swell in the presence of water may not be compatible. The fluid water content must be monitored to maintain the proper fire-resistance and viscosity integrity. Use only de-ionized or distilled water to replace any water loss.

PLURASAFE® WGF 46 FG Fluid is also available as a concentrate named PLURASAFE® Concentrate 46 FG Fluid. Both products are registered with NSF as H-1 lubricants approved for incidental food contact.

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Typical Properties of PLURASAFE® WGF 46 FG

Appearance	Clear slightly turbid liquid
Viscosity @ 40°C (104°F) cSt	46
Viscosity @ 38°C (100°F) SUS	225
Specific Gravity @ 60°C/60°C	1.06
Density, lbs./gal. @ 60°F	8.83
Water Content, %	42
pH, as is @ 25°C	9.5
Rust test (ASTM D-665A)	pass
Pour Point, Approx. (°C) (°F)	-50 -58
Flash Point, COC, approx. (°C)	none
Four Ball Wear, 40 kg, 130°F, 1800 rpm	0.80 mm
Vane Pump Test (ASTM D-7043) mg	pass

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