

Technical Bulletin

PLURASAFE® WI 68 HP High Performance, Synthetic, Fire-Resistant Hydraulic Fluid

Helping Make
Products Better™



PLURASAFE® WI 68 HP fluid is a high performance, synthetic fire-resistant hydraulic fluid formulated to replace mineral oil, vegetable oil and polyol ester based hydraulic fluids in hydraulic fluid applications requiring high performance.

PLURASAFE® WI 68 HP fluid is certified as having "FM Approved" fire-resistance status by FM Approvals; the testing/certification business unit of FM Global.

PLURASAFE® WI 68 HP fluid is based on high quality polyalkylene glycol fluids and specially selected additives, which are combined to give excellent hydraulic fluid performance.

When properly maintained, the life expectancy of PLURASAFE® WI 68 HP fluid compares favorably with mineral oil and polyol ester based hydraulic fluids.

PLURASAFE® WI 68 HP fluid has been designed to provide excellent lubricity, oxidative stability, foam resistance and elastomer compatibility.

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Typical Properties of PLURASAFE® WI 68 HP Fluid

Properties	Values
Viscosity, 40°C, cSt	68
Viscosity, 100°C, cSt	13
Viscosity Index	188
Pour Point, °F	-42
Corrosion ASTM D665 A & B	Pass – clean
Corrosion ASTM D130	Pass (1A)
Flash Point, COC, °C	288
°F	550
Fire Point, COC, °C	327
°F	620
Foam ASTM D 892	Pass

Typical wear performance properties of PLURASAFE® WI 68 HP Hydraulic Fluid

Test	Result
Eaton-Vickers V104C Vane Pump Test, ASTM D2882 / ASTM D7043 (2000 psi, 100 hours, 150°F, 7.5 gpm, 1200 rpm, 5.0 gallon sample)	<5 mg Total Wear
Four Ball Wear, ASTM D4172 (1800 rpm, 1 hour, 167°F, 40 kg load)	0.38 mm

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