

Houghto-Safe® 1120

Phosphate ester type fire resistant hydraulic fluid

DESCRIPTION

Houghto-Safe 1120 is a phosphate ester fluid that is approved for operation in most types of pumps and associated hydraulic components. **Houghto-Safe 1120** combines fire resistance with excellent lubricating properties. **Houghto-Safe 1120** is Factory Mutual approved. **Houghto-Safe 1120** is made from triaryl phosphate ester plus corrosion and oxidation inhibitors. These inhibitors extend the fluid service and insure maximum hydraulic circuit component life with lower maintenance costs.

Houghto-Safe 1120 can be used at elevated temperatures up to 150°F, but for optimum fluid life we recommend a reservoir temperature of 120°F. Many years of field experience confirm that **Houghto-Safe 1120** excels in fire resistance, component lubrication, thermal stability, and corrosion prevention.

Houghto-Safe 1120 is compatible with all metals common to hydraulic power circuits that include all steel, cast iron, copper, bronze, brass, zinc, cadmium, aluminum and magnesium metals. **Houghto-Safe 1120** is compatible with the following elastomers: butyl, ethylene propylene, viton, silicon and chlorinated polyethylene.

Houghto-Safe 1120 is not compatible with water containing fluids such as water glycols, water in oil emulsion and high water content fluids. All standard filtration techniques are satisfactory with **Houghto-Safe 1120**. Blotter type filter elements will remove water contamination. Activated earth or alumina can be used to reclaim degraded or contaminated fluid.

HEALTH AND SAFETY

Refer to SDS for proper handling and disposal. Please note that the SDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.

FEATURES / BENEFITS

- Factory Mutual Approved as a fire resistant hydraulic fluid that protects personnel and property from accidental fire and may lower insurance premiums
- Fluid has an inherently low Total Acid Number that resists oxidation
- Contains additives to enhance oxidation stability that will extend service life
- Provides excellent lubrication characteristics which extends pump and component life
- Hydrolytically stable to resist degradation when water contamination is present
- Composed of triaryl phosphate ester with inhibitors to extend fluid service and insure the maximum hydraulic circuit component life with lower maintenance costs

DATA (TYPICAL VALUES)

Appearance	Clear green mobile fluid
Viscosity @ 45°F, SUS / cSt	4000 / 866
@ 100°F, SUS / cSt	230 / 49.6
@ 210°F, SUS / cSt	44 / 5.4
ISO Grade	46
Total Acid Number (mg KOH/g)	0.2 maximum
Specific Gravity @ 60/60°F	1.147
Pounds per Gallon	9.4
Pour Point, °F	-5
Flash Point, °F	455
Fire Point, °F	625
Auto-Ignition Point, °F	910
Rust Test ASTM D-665A	Pass

TN 10.09 US



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