LUBRICAST 902

HYDRAULIC FLUID

PRODUCT DESCRIPTION

Lubricast 902 is Chemtool Incorporated's premium water glycol fire resistant hydraulic fluid formulated specifically for end users who require a phenol response level of less than 100 parts per billion (PPB). Lubricast 902 raw materials have been carefully selected to provide a phenol response level of 60 PPB maximum while maintaining excellent lubricity, shear stability, rust protection and corrosion resistance. Lubricast 902 is Factory Mutual approved.

Lubricast 902 is designed for use in high pressure applications where fire resistance, conformance to local waste treatment regulations and good pump life are required. Lubricast 902 is especially well suited for die casters, foundries, steel mills and mines.

FEATURED BENEFITS

- Exceptionally low phenol response levels for ease of disposal
- Excellent rust and corrosion protection which eliminates down time and wear on the system
- Factory mutual approval enables fluid to be used in critical operations
- Designed to be used in demanding operations without concern of excessive pump wear

APPROVALS

- Super-compliant for California SCAQMD Rule 1144
- Chrysler Approved Fire Resistant Hydraulic Fluid - MPN: 47600300
- Factory Mutual Approved

APPLICATION

LUBRICAST 902
TECHNICAL DATA

TYPICAL PROPERTIES

Appearance	Clear red liquid
Viscosity, 100°F	200 SUS
pH (5% dilution)	9.6
Specific Gravity, 60°F (15.6°C)	1.09
Weight, 60°F (15.6°C)	9.03 lbs/gal.
Freezing Point	-55°F (-48°C)
Percent water	40%
Flash Point	Contains water
Fire Point	Contains water
ISO Particulate	16/12 max.
Reserve Alkalinity	210
VOC, ASTM 1868	21.8 grams/liter

PRODUCT APPLICATION / USAGE

To keep Lubricast 902 operating at maximum performance levels, periodic monitoring should be conducted. Percent water level and alkalinity should be routinely checked to eliminate problems with fire resistance, viscosity variations or rust. Water content can be determined with the use of a refractometer or the Karl Fisher titration procedure. Alkalinity testing should be determined by titration. All testing can be performed as part of our service maintenance program. See Tables 1 and 2 for recommendations on water and morpholine additions.

Viscosity Range SUS@100°F	Fluids Added	Gallons Added Per 100 Gallons of Hydraulic Fluid
140 – 160	Concentrate	10
160 – 180	Concentrate	5
180 – 220	None	0
220 – 300	Water	5
300 – 350	Water	10
350 – 410	Water	15

Reserve Alkalinity*	Quarts of Morpholine to Add Per 100 Gallons of Hydraulic Fluid
150 – 210	0
125 – 150	1
100 – 125	2
75 – 100	3
<75**	4

*Titration to pH 5.5 with 0.5 HCl.
**Samples showing an alkalinity below 75 should be evaluated for significant acidic contamination.

PRODUCT CODE

1401000000

HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).

CHEMTOOL INCORPORATED
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