

HYDRAULIC FLUIDS

QUINTOLUBRIC® 822-300 CM FIRE RESISTANT HFD-U HYDRAULIC FLUID APPLICATION SHEET

BENEFITS

- » Excellent thermal stability and anti-sludge properties
- » Excellent pump performance
- » Compatible with most commonly used elastomers
- » Max operating temperature of 220°F

APPLICATIONS

QUINTOLUBRIC® 822-300 CM is an anhydrous high performance, synthetic hydraulic fluid developed specifically for critical applications where high fluid temperatures may be encountered. QUINTOLUBRIC® 822-300 CM is designed for prolonged operation at temperatures above 200°F.

QUINTOLUBRIC® 822-300 CM meets the stringent lubrication requirements, low oxidation rate, and high thermal stability properties required to perform in close tolerance servo systems.

Made from a synthetic ester, QUINTOLUBRIC® 822-300 CM is free of phosphate esters and chlorinated hydrocarbons.

FLUID MAINTENANCE

In order to keep the fluid in optimal condition, it is recommended to keep the product free from water and to reduce solids with effective filtration. Extreme high temperatures should be avoided. Check the fluid condition with regular analyses (twice a year). The acid number gives an important indication of the condition of the fluid.

PROPERTIES

PROPERTIES (TEST METHOD)	TYPICAL VALUES
Appearance	Clear, yellow amber fluid
Specific Gravity (D1298)	0.92
Total Acid Number (D974)	<1.0 mg KOH/g
Kinematic Viscosity (D445)	
At 40°C, CsT	68
At 100°C, CsT	12.5
Viscosity Index (D2270)	185
Pour Point (ASTM D97)	-40°F/-40°C
Pounds per Gallon @ 60°F	7.67
Seal Compatibility	Viton, Buna N, Nylon Polyurethane, Butyl*, EPR* & Neoprene*
Pump Wear (D2882)	<5 mg weight loss (ring & vanes)
Oxidation & Thermal Stability	Approved by Cincinnati Milacron Specification No. P-69
Rust Preventing Characteristics (D665A)	Pass No staining or pitting
Metal Compatibility	Iron and Steel alloys & non-ferrous metals and their alloys



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STORAGE AND HANDLING

If the following criteria are adhered to, the product can be stored for at least twelve months. Recommended long-term storage temperature range: 0-40°C. Keep containers/drums tightly closed when not in use and store in a dry and well-ventilated area.

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Prior to using this product, consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues. The information contained herein is based on data available to us and is believed to be accurate. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR TO BE IMPLIED, REGARDING THE ACCURACY OF THESE DATA. THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT. Quaker Chemical Corporation assumes no liability for any alleged ineffectiveness of the product or any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is solely attributable to negligence on the part of Quaker Chemical Corporation. 014113 9/2012