

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*
Vane Pump Test (ASTM 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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