

QUINTOLUBRIC® 822-300 CM

High Temperature Synthetic Hydraulic Fluid



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.

BENEFITS

- Tested and approved by Cincinnati Milacron under CM Specification
- Passes CM Specification, P-69 which measures thermal stability and anti-sludge properties
- Excellent anti-wear properties in ASTM D2882 pump tests
- Compatible with most commonly used elastomers
- Recommended maximum operating temperature of 220°F

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.

TYPICAL PROPERTIES

PROPERTIES (ASTM Test Method)	822-300 CM (011542)
Appearance	Clear, yellow amber fluid
Specific Gravity (D1298)	0.92
Total Acid Number (D974)	<1.0 mg KOH/g
Kinematic Viscosity (D445) @40°C, CsT @100°C, CsT	68 12.5
Viscosity Index (D2270)	185
Pour Point (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	Compatible with Iron and Steel alloys & non-ferrous metals and their alloys

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.