

# TECHNICAL DATA SHEET

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

QUINTOLUBRIC® 822-300 CM is an anhydrous high performance, synthetic hydraulic fluid developed specifically for critical applications where high fluid temperatures may be encountered.

### Applications

QUINTOLUBRIC® 822-300 CM is designed for prolonged operation at temperatures above 200°F (93°C).

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.

### Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions. This product has a shelf life of 12 months, and it should be stored in a tightly sealed container in temperatures between 32 - 104°F (0-40°C).

### Benefits

- Excellent thermal stability and anti-sludge properties
- Excellent pump performance
- Compatible with most commonly used elastomers
- Max operating temperature of 220°F (104°C)

### Properties

PROPERTY (TEST METHOD)	TYPICAL VALUE	UNIT
Appearance	Clear, yellow amber fluid	
Specific Gravity (D1298)	0.92	
Total Acid Number (D974)	<1.0	mg KOH/g
Viscosity Index (ASTM D2270)	185	
Kinematic Viscosity (ASTM D445)		
At 40°C (104°F)	68	cSt
At 100°C (212°F)	12.5	
Pounds per Gallon at 60°F	7.67	lbs/gal
Pour Point (ASTM D97)	-40/-40	°F/°C
Seal Compatibility	Viton, Buna N, Nylon Polyurethane, Butyl*, EPR* & Neoprene*	
Vane Pump Test (ASTM D2882)	<5 mg weight loss (ring & vanes)	mg
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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