

QUINTOLUBRIC® 822-EHC

Electro-Hydraulic Control Fluid



APPLICATIONS

QUINTOLUBRIC® 822-EHC is designed to replace phosphate ester-based electrohydraulic control fluids. The fluid's base ester, plus comprehensive additive package, affords excellent thermal/oxidative breakdown resistance.

Its high viscosity index, flash and fire points as well as acceptable auto ignition temperatures, makes QUINTOLUBRIC® 822-EHC successful in cutting edge technology applications like the monitoring of turbines in power generation plants.

BENEFITS

- Excellent Fire Resistance
- Product is >90% biodegradable according to CEC L-33-T-82
- Excellent Lubrication Properties
- Easily Skimmed off Effluent Treatment Lagoons
- Compatible with Most Elastomers, Normally Used with Oil-based Fluids
- Easy Conversion - Compatible with Most Phosphate Ester and Mineral Oil Fluids
- Low Toxicity - Contains no Phenols to Contaminate Waste Water
- Cost Efficient

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 analysis (twice a year). The acid number gives an important indication of the condition of the fluid.

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.

TYPICAL PROPERTIES

PROPERTIES (ASTM Test Method)	822-EHC (011799)
Appearance	Light amber, clear fluid
Kinematic Viscosity (D445) @ -10°C @ -2°C @ 20°C @ 40°C @ 100°C	650 mm ² /s 320 mm ² /s 116 mm ² /s 46 mm ² /s 9.7 mm ² /s
Viscosity Index (D2270)	185
Density @ 15°C (D1298)	0.92
Acid Number (D3712)	2.0 mg KOH/g
Pour Point (D97)	<-20°C/<-4°F
Foam Test at 25°C (D892)	Pass, 0 ml,ml
Corrosion Protection (CETOP R 48H)	Pass
Flash Point (D92)	300°C (572°F)
Fire Point (D92)	360°C (680°F)
Water Content	0.10% Max
Saponification Value	170 mg KOH/g
Auto Ignition Temp.	393°C (739°F)
Pump Test (D2882)	<10 mg
Specific Heat @20°C (D2766)	2.06 kJ/kg
Coefficient of Thermal Expansion @20°C (D1903)	6x10 ⁻⁴ /°C