

QUINTOLUBRIC® 807-IS

High Water-Based Fluid Concentrate

APPLICATIONS

QUINTOLUBRIC® 807-IS is a completely synthetic, water soluble hydraulic system additive that has been specifically designed for use at 2-5% concentration in water hydraulic systems with reciprocating piston pumps. QUINTOLUBRIC® 807-IS contains proprietary lubricants, stabilizers, corrosion inhibitors, and bactericides in a ratio balanced to meet the lubrication requirements of pumps, packings, and valves. It provides effective protection against rust and micro-organism growth at the 2-5% use dilution.

The proprietary lubricants in QUINTOLUBRIC® 807-IS have a strong affinity for metal, and provide effective boundary lubrication between sliding steel surfaces. The biocides used in QUINTOLUBRIC® 807-IS are effective against both bacteria and mold/yeast. The biocide package in QUINTOLUBRIC® 807-IS will protect against bacteria and fungal growth at the minimum concentration of 2%. There is plenty of reserve alkalinity in QUINTOLUBRIC® 807-IS to maintain proper pH for corrosion inhibition and to assist in bacteria control.

Solutions are fluorescent green, completely stable in high temperatures and freeze-thaw conditions, and very resistant to hard water soap formation. These solutions will not form insoluble oily or curdy separations, and will not cause rancidity in the hydraulic system, problems often associated with soluble oils.

BENEFITS

- Improved lubricity over conventional emulsified oils.
- Applied costs equivalent to or lower than emulsified oils.
- Excellent stability under all operating conditions.
- Compatible with rolling and machining solutions; will not stain the strip, sheet or workpiece.
- Easier handling of waste disposal because petroleum ingredients are eliminated; the proprietary lubricants are non-toxic and bio-degradable.
- BOD values are particularly low.



TYPICAL PROPERTIES

PROPERTIES (ASTM Test Method)	807-IS (011880)
Appearance	Clear Amber Fluid
Density @ 15°C (D1290)	1.031
Flash Point (D92)	None
Freeze Point (D97)	30°F/-1.1°C
pH of 5% Solution (D70)	Approx. 9.1
Recommended Concentration Triplex Plunger Pumps	5% in Water
Typical Performance 5% Solution Immersion Tests (120°F, 72 hours)	
Steel	No Stain/Corrosion
Brass	No Stain/Corrosion
Copper	No Stain/Corrosion
Aluminum	No Stain/Corrosion
Bioresistance (ASLE D-2)	Passes = 14 Days
Residue Characteristics	Light, Slippery Film: Readily Solubilized

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.