

HYDRAULIC FLUIDS

QUINTOLUBRIC® 702-46 RD WATER GLYCOL HYDRAULIC FLUID APPLICATION SHEET

BENEFITS

- » Superior liquid and vapor phase corrosion protection
- » High viscosity index
- » Excellent shear stability
- » Excellent chemical, thermal and hydrolytic stability

APPLICATIONS

QUINTOLUBRIC® 702-46 RD is a water-glycol fire-resistant fluid formulated to meet the demand of today's hydraulic equipment. It is designed to provide optimum performance in hydraulic systems where fire-resistant fluids are required.

QUINTOLUBRIC® 702-46 RD contains an adequate amount of water to prevent ignition that could occur in hydraulic systems operating under high pressure through sudden line ruptures or fluid contact with a high temperature source. This fluid includes additives that provide lubricity, corrosion protection, and the overall performance demanded by today's high performance hydraulic systems.

QUINTOLUBRIC® 702-46 RD provides a high viscosity index, low pour point, and excellent heat transfer and antifoam performance. These properties, along with the addition of an antiwear component, provide extended pump life in systems operating under high pressure or overloaded conditions.

PROPERTIES

PROPERTIES (ASTM TEST METHOD)	TYPICAL VALUES
Appearance	Red, Clear Liquid
Viscosity cSt @ 40°C (D445)	40.6 (190 SUS)
Viscosity Index (D2270)	220
Density	9.07 lbs/gal
Specific Gravity (D287)	1.087
pH (D70)	9.5
Pour Point (ASTM D97)	-53°F (-47.2°C)
Flash Point, °F (D92)	None
Fire Point, °F	None
Reserve Alkalinity	180-210
4-Ball Wear, Scar dia (D4172)	0.50 mm
Pump Test, mg wear (D7043)	21.2





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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.

QUINTOLUBRIC® 702-46 RD is immediately available packaged in 55-gallon steel drums, tote bin containers, or tanker trucks.

PAINTS AND COATINGS

Many conventional paints and coatings that are commonly used in sumps and reservoirs are soluble in water glycol fluids and will contaminate the hydraulic fluid. Any material of this type must be removed prior to the introduction of water glycol into the system. There are a number of coatings which are compatible with water glycols and they are readily available from leading manufacturers.

COMPATIBILITY

QUINTOLUBRIC® 702-46 RD is compatible with most high quality water glycol fluids. It is suggested that any system containing a competitive product be sampled and tested by our laboratory to determine the characteristics of the material and any corrective procedures which may be necessary.

QUINTOLUBRIC® 702-46 RD is not compatible with oil, water/oil emulsions, synthetics or ester based fluids.

FLUID MAINTENANCE

Before packaging into drum, tote bin container, or tanker, QUINTOLUBRIC® 702-46 RD is filtered at 5 micron to insure optimum performance in servo systems. Filtration to 3 micron is available upon request and at a nominal charge. Please contact your regional Quaker representative for more information.

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