



PRODUCT DATA SHEET

QUINTOLUBE A720

PRODUCT DESCRIPTION

Hi-Tec Quintolube A720 is a non-hazardous fire resistant water glycol (HFC) fluid. It is recommended for use in systems that require a fluid to be:

- Environmentally acceptable
- Fire resistant
- Functional over a wide temperature range

Hi-Tec Quintolube A720 does not contain any of the following:

- Chlorinated hydrocarbons (PCBs, CFCs)
- Polycyclic aromatics (PCAs, PNAs)
- Phosphate esters
- Heavy metals
- Harmful or corrosive inorganic radicals

BENEFITS

- Safety - Outstanding fire resistance
- Non-hazardous fluid
- Good lubrication - Low wear rate
- High viscosity index
- Long life - Excellent thermal and oxidation stability
- Excellent hydrolytic stability

COMPATIBILITY

PUMPS & COMPONENTS. **Hi-Tec Quintolube A720** can be used in virtually all industrial pumps up to pressures of 210 bar and temperatures less than 60°C. Like other water glycols, however, pumps will have to be de-rated according to manufacturers' guidelines when converting mineral oil systems to this fluid.

SEALS, HOSES & PACKING. Recommended sealing materials are nitrile, neoprene, ethylene propylene (EPDM), and butyl rubber. Not recommended are Viton (compression set with water based fluids), and polyurethane (high temperature softening).

METALS. **Hi-Tec Quintolube A720** is compatible with most metals and alloys. Systems containing zinc, cadmium and magnesium need to be closely observed in condition monitoring as these generally have limited compatibility with high pH fluids.

PAINTINGS & COATINGS. Many paints and varnishes are softened by water glycol fluids. It is recommended to use only vinyl resin and epoxy type paints for the external coating of hydraulic systems. Do not coat the internal surface of the tank.

MINERAL OIL. **Hi-Tec Quintolube A720** fluid is not compatible with R & O and anti-wear mineral oil type fluids. To convert from a system using mineral hydraulic oil, consult your Hi-Tec representative who will detail the suitable changeover procedure for your system.

PHOSPHATE ESTERS. **Quintolube A720** fluid is not compatible with phosphate ester fluids. To convert from a system using phosphate ester fluid, consult your Hi-Tec representative who will detail the suitable changeover procedure for your system.





Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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WATER-BASED PRODUCTS. Hi-Tec Quintolube A720 fluid is generally miscible with water containing fluids. However mixing fluids is not recommended as incompatible additives can cause sludge by-products and catastrophic failure. Consult your Hi-Tec representative prior to mixing any amount of water based fluids together.

STORAGE

If the following criteria are adhered to, **Hi-Tec Quintolube A720** can be stored for at least six months.

Maximum recommended long-term storage temperature: 40°C

Minimum recommended long-term storage temperature: 0°C

Keep drums/containers tightly closed when not in use.

Store containers/drums in a dry and well ventilated area.

Hi-Tec suggests that the equipment manufacturers' recommendations for viscosity grade, performance requirements and general operating conditions should be checked prior to use.

TYPICAL PROPERTIES:

Parameter	Unit	Test Method	Typical Value
ISO grade			46
Appearance	-	-	Red Clear liquid
Specific Gravity	g/mL	ASTM D-1298	1.071
Water Content	%wt	ASTM E-203	45
Pour Point (oC)	°C	ASTM D-97	-48
Viscosity @ -10°C	cSt	-	477
Viscosity @ 0°C	cSt	-	263
Viscosity @ 20°C	cSt	-	99
Viscosity @ 40°C	cSt	-	46
Viscosity @ 50°C	cSt	-	33
Viscosity Index	-	-	200
pH	-	ASTM D-1278	9.5
Refractive Index (nD20)	-	DIN 51423	1.4
Reserve Alkalinity (mL 0.1N HC1/10g)	-	ASTM D-1121	12
Oxidised Ash	%	DIN 51575	0.35
Sulfated Ash	%	DIN 51575	0.5
Thermal Conductivity @ 20°C	-	ASTM D-2717	0.36
Specific Heat @ 20°C	-	ASTM D-2766	3.23
Fire Resistance Standard	-	6th Lux. Report	Pass
Air Release Value	-	IP 313	195 sec - Pass
Foam test (mL foam at 25°C)	-	ASTM D-892	60 - Pass
Seal Swelling	-	6th Lux. Report	Pass
Shear Stability	-	6th Lux. Report	Pass
Corrosion Protection	-	CETOP R48H	Pass



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PRODUCT DATA SHEET

Available in: Bulk and 205 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

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