

TECHNICAL DATA SHEET

QH HOUGHTOSAFE™ 620

PREMIUM WATER GLYCOL (HFC) TYPE HYDRAULIC FLUID



QH HOUGHTOSAFE™ 620 is a water soluble hydraulic fluid that has been an industry leader since its introduction and continues to be the preeminent fluid in the water glycol market. QH HOUGHTOSAFE™ 620 sets performance standards by which other water glycol fluids are measured and is Factory Mutual approved as a less hazardous fluid.

Applications

QH HOUGHTOSAFE™ 620 was designed to replace mineral oil based hydraulic fluid. QH HOUGHTOSAFE™ 620 can be used in or near fire hazards applications without compromising the overall hydraulic system operation.

Recommendation for Use

QH HOUGHTOSAFE™ 620 can be used in equipment designed for traditional mineral oil in applications where a fire hazard exists.

Pump Test

ASTM D-2882 Procedure - Vickers V-104-C pump

Test Conditions

PROPERTY	TYPICAL VALUE	UNIT
Test Period	100	hours
Discharge Pressure	2000	psi
Fluid Temperature	150	°F
Pump Speed	1200	rpm
Output Volume	7.5	GPM

Test Results

PROPERTY	TYPICAL VALUE	UNIT
Cam Ring Wear	29.4	mg
Vane Set (12) Wear	2.4	mg

Benefits

- Easily removed if accidental vehicle bodywork contact occurs with a simple water rinse
- Reduce shutdown time - does not contaminate other cleaning materials
- Low pour point - excellent for use in cold weather applications
- Perfect fill for new systems and retrofit applications
- Classified as relatively harmless by The US Fish & Wildlife Service

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.

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Red fluid	
Viscosity		
at 0°F	4218	
at 68°F	400	SUS
at 100°F	200	
at 130°F	116	
Specific gravity, 60/60	1.08	
pH	9.5	
Flash Point	N/A	
Pour Point	-50	°F
Fire Point	N/A	

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 1620300

