

TECHNICAL DATA SHEET

QH HOUGHTOSAFE™ 419 R

PREMIUM WATER GLYCOL OIL-FREE HYDRAULIC FLUID



QH HOUGHTOSAFE™ 419 R is a water glycol fire resistant hydraulic fluid designed to meet the exacting requirements of modern industrial hydraulic systems. The fluid provides maximum safety in terms of fire resistance together with the optimum combination of performance characteristics and economy to the user. QH HOUGHTOSAFE 419 R is Factory Mutual approved as a less hazardous fluid.

Applications

QH HOUGHTOSAFE™ 419 R was designed to replace mineral oil based hydraulic fluid. QH HOUGHTOSAFE™ 419 R can be used in or near fire hazards applications without compromising the overall hydraulic system operation.

Recommendation for Use

QH HOUGHTOSAFE™ 419 R can be used in equipment designed for traditional mineral oil in applications where a fire hazard exists.

ASTM D-2882 Procedure Vickers V-104-C Pump Test

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

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

The Benefits

- Factory Mutual Approved as a fire resistant hydraulic fluid that protects personnel and property from accidental fire and may lower insurance premiums
- Low pour point provides excellent stability in cold weather conditions
- High viscosity index allows the fluid to be used at a wide temperature range
- Provides excellent lubrication characteristics which extends pump and component life

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	
pH	9.5	
Viscosity at 0°F	4218	
at 68°F	400	SUS
at 100°F	200	
at 130°F	116	
Specific Gravity	1.08	
Pour Point	-50	°F
Flash Point	N/A	
Fire Point	N/A	°F

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.

