QH HOUGHTOSAFE™ 419

WATER GLYCOL TYPE FIRE RESISTANT HYDRAULIC FLUID

FM APPROVED

QH HOUGHTOSAFE™ 419 is a water glycol type fire resistant hydraulic fluid and it is Factory Mutual approved.

Applications

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	53.2	mg
Vane Set (12) Wear	2.4	mg

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.

Benefits

- Low pour point provides excellent stability in cold weather applications
- High viscosity index allows the fluid to be used at a wide temperature range
- Provides excellent lubrication characteristics which extends pump and component life

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Clear red fluid	
Viscosity at 0°F	3800	SUS
68°F	380	
100°F	200	
130°F	119	
Viscosity Index	200	
pH	9.5	
Flash Point	N/A	
Pour Point	–33	°F
Fire Point	N/A	
Pour Point	–33	°F
Density at 60°F	9.00	lbs/gal
Specific Gravity at 60°F	1.08	

Quaker Houghton
Forward Together™