

TECHNICAL DATA SHEET

QH COSMOLUBRIC™ B 220

VEGETABLE OIL BASED FIRE-RESISTANT HYDRAULIC FLUID



QH COSMOLUBRIC™ B 220 is the latest development in Quaker Houghton's complete line of fire resistant hydraulic fluids for industry. QH COSMOLUBRIC™ B 220 is a vegetable oil derived fire resistant hydraulic fluid formulated with additives to enhance corrosion protection, metal passivation, and oxidative inhibition. QH COSMOLUBRIC™ B 220 is Factory Mutual approved as a less hazardous fluid.

Applications

QH COSMOLUBRIC™ B 220 was designed to replace mineral oil based hydraulic fluid as well as polyol ester fluids. QH COSMOLUBRIC™ B 220 can be used in or near fire hazards and in environmentally sensitive hydraulic applications without compromising the overall hydraulic system operation.

Recommendation for Use

QH COSMOLUBRIC™ B 220 can be used in equipment designed for traditional mineral oil in applications where a fire hazard exists.

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Clear light amber fluid	
ISO viscosity grade	46	
Viscosity at 32°F (0°C) at 100°F (37.8°C) at 104°F (40°C) at 212°F (100°C)*	1355 221 214 59.4	SUS
Viscosity Index	214	
Total Acid Number	0.65	mg KOH/ gm
Specific Gravity at 60°F (15.6°C)	0.92	
Density at 60°F	7.65	lbs/gal

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. 7220100

Benefits

- Factory Mutual Approved as a fire resistant hydraulic fluid that protects personnel and property from accidental fire and may lower insurance premiums
- High viscosity index allows the fluid to be used at a wide temperature range
- Fluid has an inherently low Total Acid Number that resists oxidation
- Fluid is a GREEN product that is composed of renewable resources
- USDA Certified as a Bio-based product that is composed of a majority of renewable materials
- Compatible with polyol ester fluids for ease of conversion
- Contains additives to enhance oxidation stability that will extend service life
- 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.

