

TECHNICAL PRODUCTS INFORMATION

PRODUCT NAME: HIGH TEMPERATURE FLUID M

HIGH TEMPERATURE FLUID M is based on a viscous synthetic fluid containing a dispersion of colloidal molybdenum disulphide to provide lubrication at extremely high temperatures. HIGH TEMPERATURE FLUID M is designed for the lubrication of slow speed plain and anti-friction bearings and slides operating at temperatures up to 450°C.

At these elevated temperatures, conventional high temperature greases have severe limitations, as their performance is restricted by their base fluid and thickener systems. These degrade at high temperatures destroying the grease structure so shortening the useful working life of the grease, they also form abrasive carbon deposits. HIGH TEMPERATURE FLUID M is designed so that, at elevated temperatures, its liquid phase evaporates cleanly without leaving abrasive carbon deposits.

COST SAVING BENEFITS

1. No carbonisation at high temperatures, greatly reducing maintenance costs and extending component life.
2. Residual lubricating film of molybdenum disulphide reduces wear.
3. Eliminates bearing seizure caused by deposits left behind by other high temperature greases.
4. Tenacious lubricant clings well to working surfaces.
5. Eliminates problems associated with blocked lubrication channels.

METHOD OF APPLICATION

HIGH TEMPERATURE FLUID M is applied as a service lubricant by high pressure grease gun. Anti-friction bearings need to be of the type fitted into bearing housings, in order to contain the lubricant whilst working. Bearing houses should be vented so not to inhibit the evaporation process of the base fluid.

Bearings need to be purged of the previous grease before starting to use HIGH TEMPERATURE FLUID M. Not suitable for application by automatic lubricating systems.

TYPICAL PHYSICAL CHARACTERISTICS

Appearance	Blue/black viscous liquid
Base fluid	Poly Iso-Butylene
Viscosity @ 40°C	19,000 cst.
@ 100°C	650 cSt.
Solid lubricant	Molybdenum disulphide
Copper corrosion	Negative
Shell Four Ball	
Weld load (IP239)	225kg
Operating temperature range	0°C to +450°C (as dry film lubricant) 0°C to + 180°C (as wet film lubricant)



BS EN ISO 9002: 1994
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