

Lubritherm® All-Temp Biodegradable Hydraulic Fluid

How - it - Works

Originally Approved by:



Environment
Canada

under the Environmental Choice Program

Lubritherm Hydraulic Fluid provides instant operational speed and control, working from 15 psi to 6,500 psi, with ambient operational temperatures from **-60°C to +80°C (-75°F to +175°F)**, and is **Fireproof**. Lubritherm maintains fluid integrity and has no known operational limitations within the parameters above. Lubritherm hydraulic fluid is fully compatible with standard hydraulic equipment and seals, and has been in operational use for 12 years.

Lubritherm has no limitations and is totally unlike mineral oils, vegetable oils, polyalphaolefins, organophosphate esters, water glycols, or other synthetic hydraulic oils, which all have in common a limited service life that is caused by an inability to handle moisture, oxidation and thermal stress problems, temperature range limitations, with fluid compressibility being an ongoing problem.

Field tested to 6,500 psi, proven by over 100,000 hours of continuous operation with Lubritherm Hydraulic Fluid.

No breakdown of Lubritherm under pressure or operational temperatures. Pressure generated heat, with resultant temperature friction, is greatly reduced by using the Lubritherm Hydraulic Fluid that has superb lubrication qualities and cannot be compressed, so that it will not absorb air which causes cavitation.

Separation is not possible with Lubritherm hydraulic fluid in its working environment, including any filtration systems. This is due to the covalent molecular matrix structure of Lubritherm Synthetic Hydraulic Fluid.

Lubrication and cooling with Lubritherm is handled with environmentally safe and approved organic chemicals, which handle extreme pressure and temperatures better than any other known hydraulic fluid.

Cooling capacity of the Lubritherm hydraulic fluid is exceptional in its direct application to the metal zone of the hydraulic equipment. This is achieved by utilising its monomolecular covalent ionic bond matrix, which also contains chemistry to reduce the molecular size providing more efficient heat transfer of the Lubritherm Synthetic Hydraulic Fluid, thus assuring instantaneous cooling contact within the hydraulic equipment system.

Filtering to one micron is provided from the factory, providing product purity and allowing for servo control valve capacity down to one micron diameter for safe operability. This is possible because Lubritherm Hydraulic Fluid has an exclusive flatted matrix molecular arrangement, like an interwoven floor mat, wherein the various chemical molecules form a covalent bond, tightly laced together inter-molecularly.

Originally approved by Environment Canada under the Environmental Choice Program as Environmentally safe, Biodegradable, Non-Toxic and Fireproof. LubeCorp's Lubritherm All-Temp Hydraulic Fluid meets ISO 14000 standards testing for hydraulic fluid quality, performance and environmental properties.