

LUBRITHERM® ALL-TEMP BIODEGRADABLE HYDRAULIC FLUID

INSTALLATION AND CONVERSION

Transitioning to Lubritherm All-Temp Hydraulic Fluid

For optimal performance when shifting to Lubritherm All-Temp Hydraulic Fluid, adhere to the following guidelines:

- Ensure the hydraulic system is comprehensively cleaned to avoid contamination from prior fluids.
- Use new, non-paper filters.
- Confirm compatibility with paint, plastics, seals, and elastomers.
- Follow either the Standard or Ideal Conversion Procedures detailed below.

Standard Process for Lubritherm All-Temp Hydraulic Fluid Adoption

For systems that previously used petroleum-based hydraulic fluid:

1. Drain all components including the hydraulic oil reservoir, pumps, lines, motors, rams, controllers, etc.
2. Swap out filters and opt for non-paper versions.
3. Refill the entire hydraulic system with Lubritherm All-Temp Hydraulic Fluid, manually charging components like pumps, rams, and hydrostatic motors that aren't self-filling.
4. Operate the hydraulic system for around 3 hours, regularly skimming off the oil from the Lubritherm in the reservoir until the floating oil is completely removed.
5. Replenish the hydraulic system with Lubritherm and conduct monthly inspections.
6. Generally, Lubritherm replacement will only be necessitated by accidental losses. Nevertheless, for optimal upkeep, replacing Lubritherm every 5 years is recommended.

Ideal Process for Lubritherm All-Temp Hydraulic Fluid Adoption

For a thorough conversion utilize the advised flush procedure:

1. Empty the existing fluid.
2. Introduce non-paper filters.
3. Infuse the system with Lubritherm hydraulic fluid and run for 24 hours. Lubritherm will mainly remove varnish and sludge from earlier petroleum-based hydraulic fluids.
4. Fully drain the system of Lubritherm while it's still warm.
5. Check and replace fluid filters as necessary.
6. Fill up with new Lubritherm All-Temp hydraulic fluid and commence regular operations.

Product Compatibility With Lubritherm All-Temp Hydraulic Fluid

- **Other Hydraulic Fluids:** Lubritherm is not meant to mix with other hydraulic fluids. Stick to the Standard or Ideal Conversion procedures.
- **Paints:** While Lubritherm may affect certain oil-based paints, many epoxy-based paints remain unaffected. Ensure paint doesn't clog filters during the transition.
- **Elastomers:** Lubritherm generally aligns with many elastomeric materials like seals and gaskets, including Buna N, Viton, Kalrez, and more. However, always test specific elastomers for critical applications.
- **Plastics:** While most plastics are compatible with Lubritherm, always validate compatibility, especially for visible components like sight glasses.

Have questions? Reach us at: www.lubecorp.com

