

## HYDRAULICS

### Operation Conditions

#### **⚠ CAUTION**

**DO NOT use ATF Type F fluid. Type F ATF is not compatible with LCI hydraulic system seals. Seals will not work properly.**

The following automatic transmission fluid (ATF) recommendations for use in Lippert Components, Inc. (LCI) hydraulic systems are based upon hydraulic system operation in various environmental air temperatures.

1. **Above Freezing** - Operation at air temperatures routinely above 0 °C (32 °F)—above freezing—which also covers most initial OEM fills.
  - A. Dexron® III/Mercon® ATF
  - B. Super ATF from Phillips 66
  - C. Mercon® V ATF
  - D. Dexron® VI ATF
  - E. PetroBlend (Mason City, IA) PHO 0022S (synthetic group 3 base blend)
  - F. Bellman all temp 22 (Bremen, IN)
  - G. Or any ATF or hydraulic fluid with a pour point lower than -42 °C (-44 °F).
2. **Below Freezing** - Operation at air temperatures routinely below 0 °C (32 °F)—below freezing.
  - A. Mobil 1™ full synthetic ATF
  - B. Royal Purple® full synthetic ATF
  - C. Valvoline™ full synthetic ATF
  - D. Amsoil® full synthetic ATF
  - E. PetroBlend (Mason City, IA) PHO 0022S (synthetic group 3 base blend)
  - F. Bellman all temp 22 (Bremen, IN)
  - G. Multivis (all temperature) ISO 22 hydraulic fluid
  - H. Mobil 1™ 0W-16 synthetic motor oil
  - I. Or any ATF or hydraulic fluid with a pour point lower than -45 °C (-49 °F).
  - J. Or any ATF or hydraulic fluid (conventional or synthetic) with a pour point lower than -46 °C (-51 °F).
3. **Extreme Cold** - Operation at air temperatures routinely below -18 °C (0 °F)—extreme cold.
  - A. Kendall® Hyken Glacial Blu
  - B. Benz oil (Milwaukee, WI) Flomite 530
  - C. Mobil 1™ 0W-16 synthetic motor oil
  - D. Or any conventional or synthetic ATF or hydraulic fluid with a pour point less than -57 °C (-71 °F) and viscosity less than 2850 cP (3282 cSt) @ -40 °C (-40 °F).

As a supplier of components to the RV industry, safety, education and customer satisfaction are our primary concerns. Should you have any questions, please do not hesitate to contact us at 432-LIPPERT (432-547-7378) or by email at [customerservice@lci1.com](mailto:customerservice@lci1.com). Self-help tips, technical documents, product videos and a training class schedule are available at [lippert.com](http://lippert.com) or by downloading the LippertNOW app.