

**GOING GREEN**



## ***Environmentally Approved Hydraulic Fluid***

Power Flo is the 'green solution hydraulic fluid' in mobile equipment where the environment or fire is a concern. Power Flo is OEM approved for factory fill. Proven to give on average 3-4 times longer life, reduces operating temperatures up to 40 °F, removes the need for winter / summer grade changes, reduces leaks and provides optimum performance with environmental and fire-resistant benefits.

### **Power Flo Conversion Procedure**

#### Converting From Mineral Oil

Prior beginning a conversion these instructions should be read completely to ensure they are understood and all required materials are available.

#### **Before getting started...**

Confirm that the system is currently operating on mineral oil. Special procedures apply when converting a system operating on vegetable oil, soluble oil, phosphate ester or polyol ester. Please contact your Forsythe sales representative for further information if your system is operating on one of these fluids.

Also, if your system contains a sight glass confirm that it is compatible with water glycol type fluids. This information will be available from the sight glass manufacturer.

Before the conversion can begin, it is important to confirm that you have the following on hand...

- (2) Synthetic media filters – Compatible with water glycol type fluids
- Power Flo – Enough for flushing and to completely fill the system

#### **Procedure**

1. While the current hydraulic fluid is at operating temperature, drain all system components including reservoir, pipelines, cylinders, pump, filter housing and coolers.

Where feasible:

- Blow all lines with dry, pressure regulated, and compressed air to remove any fluid trapped in inaccessible places.
  - Clean all valves thoroughly.
2. Clean the system reservoir of residual sludge and deposits; steam or high pressure water cleaning is recommended, if possible. Cleaning should be as complete as existing conditions will permit.
  3. Remove and dispose of existing filters. Replace filter with a synthetic media filter. Remove strainer on suction line. Clean and inspect any other strainers.
  4. Reconnect all system lines.
  5. Install a fresh charge of Power Flo into the system. Flush the system by operating all cylinders without a load or at minimum pressure. Bring the fluid up to a normal operating temperature. Continue to flush as long as practical to ensure complete circulation and to fully exploit the cleaning characteristics of Power Flo.

All technical information, recommendations and statements contained herein are based on tests we believe to be reliable. It is offered in good faith but with out guarantee. We make no warranty expressed or implied as to the suitability of our product for any particular use in operations not under our direct control. Liability is limited to the net purchase price of the product.

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6. Immediately drain the fluid completely – storing in an open-head drum, if possible.  
(Note: Fluid being used for flushing can be re-used for flushing other units – after skimming off the mineral oil on the surface)
7. Remove the existing filter and install a new synthetic media filter.
8. Fill the system reservoir with Power Flo and then operate all cylinders for 2 - 3 minutes.
9. **You should have the 'Sample Kit', provided by your Forsythe rep, to begin a sample program (quarterly unless advised otherwise) that ensures your fluid remains fire-resistant, protects against corrosion and longest fluid life. If you have not received your Sample Kit, please call or e-mail your rep or lab at Forsythe.**
10. Shut the system off, wait 10 minutes and then remove reservoir cap and skim off any residual fluid from the surface and obtain a fluid sample. Send this sample to Forsythe Lubrication for analysis.

Begin enjoying the many benefits of using Power Flo!

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