

**TECHNICAL  
BRIEF**

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**HYDRAULIC RESERVOIR OIL CHANGE PROCEDURE  
FOR ALL BARRIER TRANSFER MACHINES**

1. The oil in the hydraulic reservoir tank should be changed annually.
2. Oil samples should be taken and sent for analysis. Record engine hours, date of last oil change, machine serial number and mark bottles per laboratory instructions. Copies of analysis results should be sent to Barrier Systems Inc. for file and future reference.
3. Drain oil out of the reservoir and refill.
4. Crack all suction lines to pumps to insure air is out of the suction lines and retighten.
5. Crank the engine, but do not start it (crank only). You should see some pressure in the ground drive charge pump and auxiliary pump. No pressure will be observed at the capstan pump.
6. Start the engine for a short period of time to observe the pressure again.
7. If the pressure is observed the system should be ready to go.