

## CRYOCOOLER SERVICE REPORT

**Date of work:** 5-2-04

**Beamline:** 20

**Requestor:** S. Heald

**Vessel serial no:** AMG0100/S4      **Pump serial no:** B-J-95

**Oxford series:** C

**Pump operating hours:** 43466 (last service in Jan 2003)

**Technician(s):** D. Burke (mechanical), G. Moonier (restart timer)

### Summary of work:

1. Pump bearing replace; impeller gap to 0.020"; bearing run-in per manual
2. Auto restart modification
3. Motor shaft housing cleaned with alcohol (removed slight oily residue)
4. Fill line modification (separator installed)
5. Helium leak check on LN2 side: slight leak detected; leak detector would not transition to fine leak mode, but leak could not be located with certainty.
6. Evacuate vessel jacket and 3 bayonet fittings

[Link to service request form](#)

[Link to copy of logbook notes](#)

[Link to LN2 pump manual](#)