

CRYOCOOLER SERVICE REPORT

Date of work: 5-20/21-04

Beamline: 17

Requestor: I. Kosaclev

Vessel serial no: AMG01100/53

Pump serial no: 12-J-95

Oxford series: B

Pump operating hours: Not noted

Technician(s): D. Ferguson and D. Burke

Summary of work:

5-20-04:

Leak with ice ball on supply side LN2 bayonet. User reported ice ball not clearing up after repeated evacuations. Removed O-ring from pump out port and applied vacuum grease. Evacuated and pumped out overnight with user vacuum station. Ice ball gone on 5-21-04 in AM.

5-21-04

Connected user vacuum station to vessel jacket with ASD owned angle valve/hose. Upon using user owned vacuum station, turbopump went into failure mode that permitted vessel jacket to be vented. Additional heat leak caused circulating loop to reach 90 psig. User evacuated vessel jacket and vented circulating loop to reduce system pressure. No apparent system damage noted. Existing RV on high pressure loop was not replaced.

[Link to copy of logbook notes](#)

[Link to LN2 pump manual](#)