

Ferry Maintenance Report

Vessel: Queen of Alberni

Date: February 7, 2014

Arrival: 12:45PM sailing to Tsawassen. We signed in at terminal supervisor at Duke Point.

Reporter: Chris Sundstrom

Staff: Chris Sundstrom, Albert Ruskey, Dirk Brussow

Reason for Visit

Regular instrument servicing, repositioning of BBFL2

Observations

1. In the Instrument Box there were no signs of moisture or leaks.
2. The AADI optode had no debris or sediment within the housing.
3. The BBFL2 had a very minor partial layer of sediment and/or fouling on the sensing surface.
4. The Seabird 45 CT sensor was very clean, with almost no sediment within the sensor.
5. The sea chest showed no signs of leaks.
6. The inline filter (sea strainer) was checked and showed no signs of debris.

Actions Taken

1. Opened both boxes and observed function. Working well, no leaks anywhere.
2. Powered down and disassembled instruments in lower assembly.
3. Cleaned and checked over instruments in Engineering room.
4. Re-Assembled the instruments in the lower box, moving the BBFL2 to the horizontal mounting bracket in the upper mounting position after swapping the NPT fittings for 90 degree versions. The BBFL2 was mounted in such a manner that the inlet was low on the housing and the outlet was high.
5. Checked over Sea chest and valves, no leaks apparent.
6. Checked the sea strainer.
7. Turned ON the system.

8. No leaks in instrument housing and checked flow output at sea strainer. Flow was good. Visually confirmed flow direction at the BBFL2 and confirmed the volume filled with water and began draining correctly.
9. Signed out at Engineering room.

Future Actions

1. Monitor BBFL2 performance. Double check connections for leaks upon next servicing.

PICTURES



Figure : BBFL2 upon arrival, with water drained carefully (no loose sediment noted in drained water)



Figure : Water drained from BBFL2 in bottom of sample bucket. Note no sediment apparent.

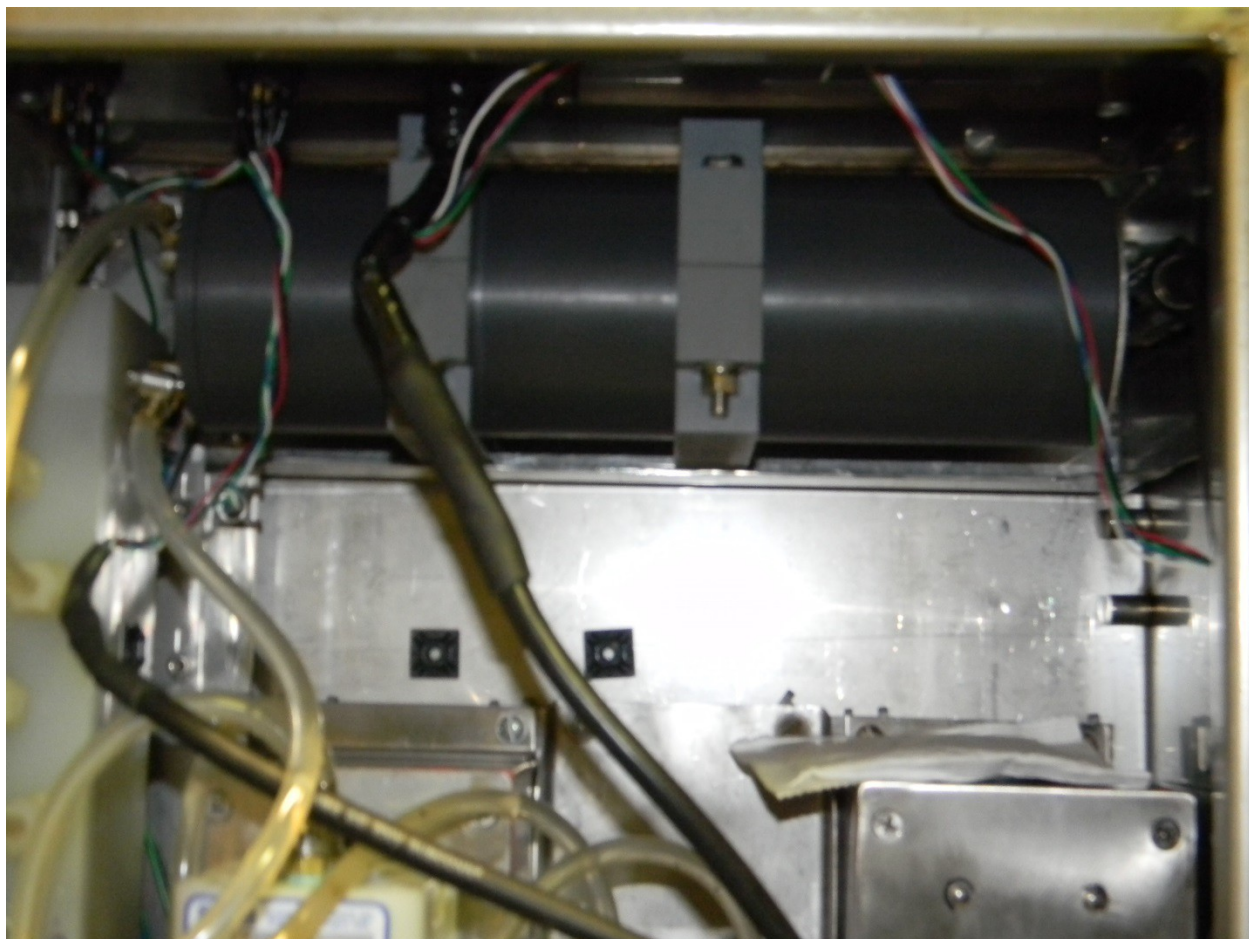


Figure : New position of the BBFL2. Inlet at left, bottom. Outlet at left, top.

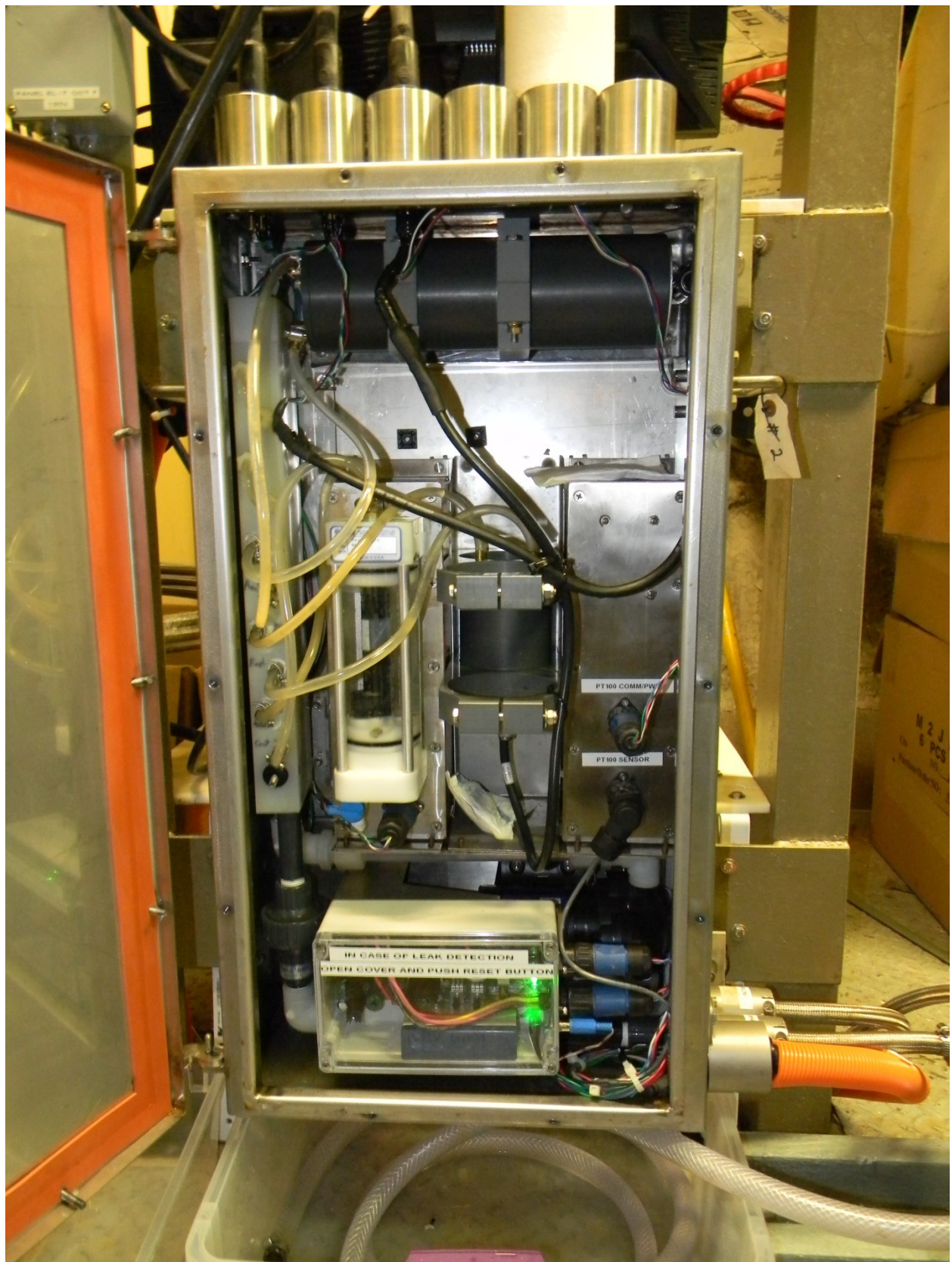


Figure : Overall view of revised installation.