

Ocean Networks Canada

Ferry Maintenance Report – Queen of Oak Bay



Vessel: Queen of Oak Bay

Date: 2016-07-14

Arrival: We signed in at Departure Bay terminal supervisor at 7:45, got on ferry for 8:30 departure. Arrived back at Departure Bay at about 12:40.

Reporter: Rowan Fox

Staff: Akash Sastri, Rowan Fox

Reason for Visit

Instrument cleaning and benchmarking. Test fit of new BBFL2 housing, swap housings if possible.

Observations

- System dry and running properly on arrival.
- **BBFL2 housing does not fit. Housing is too long. Solution – return housing to machinist, chop 1 inch off the bottom, cut new Oring groove and threads.**
- TSG missing a screw on one of its posts, but the post has no hole to accept the screw thread. Probably not an issue.
- **After this trip, we found that the Optode has experienced a memory wipe. This occurs when it loses power while saving settings. As a result, all settings on the optode revert to zero. Optode is to be replaced ASAP. See [INST-931](#)**

Actions Taken

1. Sign in Engineering room
2. Shut off output gate valve, otherwise system pressure causes constant water flow from open tubes.
3. Cleaned and performed benchmarks on optode and BBFL2.
4. Cleaned out TSG, had some sediment in it.
5. Cleaned seastrainer.
6. Tried new BBFL2 housing. Failed to fit it in. Reinstalled old housing.
7. Opened output gate valve, started system, verified no leaks.
8. Installed new dessicant.
9. Closed up seakeeper system.

Future Actions (High Priority in Red)

- **Modifications to BBFL2 housing**
- Bring a small bucket to empty/flush seastrainer
- **Replace Optode**
- Stephen to see if there is a place we can store tools on the ship. Follow up

Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay

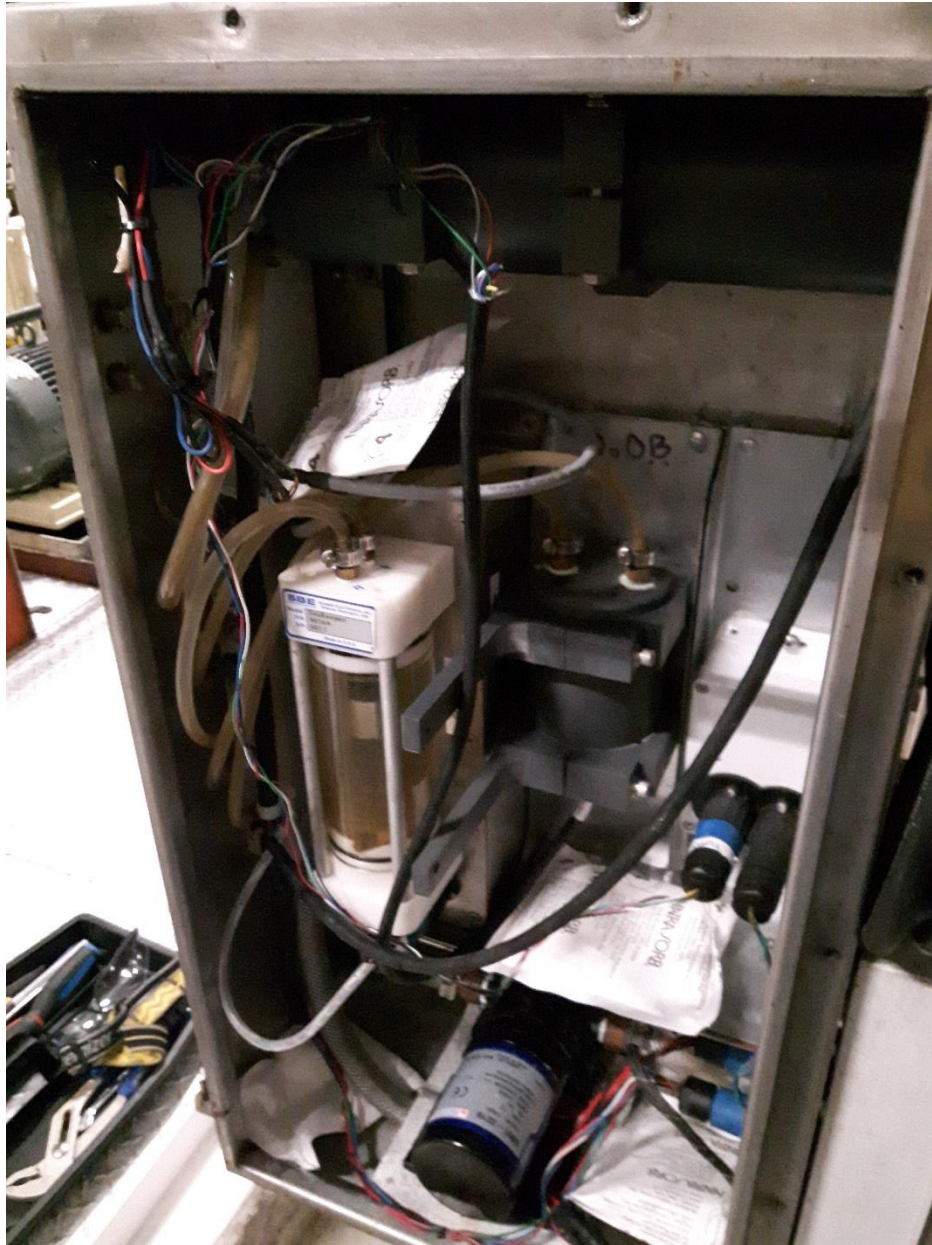
Pictures



Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay



Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay



Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay



Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay



Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay



Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay



Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay



Ocean Networks Canada
Ferry Maintenance Report – Queen of Oak Bay

