Ferry Maintenance Report

Vessel: Queen of Alberni

Date: Sept 10, 2013

Arrival: 12:45PM sailing to Assassinate. We signed in with Rob terminal supervisor at Duke point. We checked in with Chief Steward and Golam (Engineer).

Reporter: Denis Hedji Staff: Denis Hedji and Chris Sundstrom

Reason for Visit

Possible valve plugged with debris. Data plots showing intermittent signal on Venus website. Notice Oxygen level declining which shows signs on no sea water being pumped into the SeaKeeper instrument enclosure.

Observations

1. Found water on bottom of instrument enclosure, which was submerging leak sensor which stopped the Seakeeper system.
2. Pipe lines very dirty with thick brown sediment.
3. CTD had combination of sediment and Coal dust build up.
4. Small leak apparent on Fluorometer Intake/Outake fittings due to improper tightening or fitting shook loose

Actions Taken

1. Drained water from bottom of instrument enclosure
2. Dry wet areas
3. Power Down Seakeeper system
4. Pull off instruments, and take to Engineering room for servicing / cleaning
5. Install new lines from manifold to instruments
6. Re-install instruments
7. Replace SLA 12Vdc battery
8. Turn ON Seakeeper system
9. Check for leaks, none apparent

10. Turn OFF system
11. Install Seastrainer in lower hold/ hull
12. Check Seachest for leaks = none apparent
13. Power up Seakeeper
14. Checks for leaks=none apparent
15. Monitor data logger on PC – looks OK
16. Replaced desicant packs
17. Clean up
18. Return Key and Sign out at Engineering room

Future Actions

1. NEED tools: Razors, side cutters, wire strippers, med size tie wraps, plumbers tape, pliers, flashlight(s); 10-24 N. 1", ¾" bolts, washers, lock washers; small toothbrushes,
2. Make leak sensors – RJ45 to RCA male(two wire)
3. Purchase more flow tube
4. Purchase new SLA 12V battery – put 2 pin molex on it
5. Bring more Desicant bags
6. Swap CTD, ECO Triplet, and 3835 oxygen sensor due to Calibration outstanding