

February 7th, 2013 Seakeeper service

Persons onsite: Denis, Stephen, Tyson

Board 12:45pm from Duke point

We were able to park vehicle in Lane 25 rather than in Customer parking area close to terminal supervisor area. End of lane 25 is next to building and usually vacant depending on the season. Being close to building was easy access to foot passenger entrance.

Check in Chief stewards office after departure from Duke point.

Sign in Engineering room, and take Bosun store room key

In Bosun room open doors of Seakeeper system. Top electronics and Lower instrument panels.

- Visualize condensation on water manifold, and on Optode housing, and all Teflon plumbing
- Dry off condensation
- Check for leaks – none
- Plug in keyboard, and mouse. Did not respond – PC would need to be restarted.
- Turn OFF system by electronics panel breaker
- Disconnect instruments – Seabird, Optode, and Fluorometer
- Take instruments into Engineering room as there is a sink there. Got permission by Embdee to use sink for washing instruments. I prefer to clean in this area because Engineers can see what we are doing, and convenience of being next to Bosuns room instead of doing this in public washroom upper decks
- Instruments found to be in great condition – some sediment buildup spots, no marine growth
- Clean, check, re-assemble
- Re-install instruments on Seakeeper panel. Ship was at dock Twassasen. Upon departure turn ON seakeeper system. Pump turns on, and checked for leaks. No leaks apparent. Check software Green dots apparent – check OK.
- Open cover plate to hull. Check over valves, sea Chest for leaks – none apparent
- Open Seachest top and dry out condensation build up at bottom of seachest. There was about teaspoon water. Place two desicant bags in Seachest. Close top, and recheck OK. Close cover plate.
- Check instrument panel for operation and visualize for any leaks
- Close doors, and head to Chief Stewards office and request visual inspection of top MET and radiometers station. Cables intact no UV wear apparent. Connectors to electronics panel (lock ring) coating peeling off due to corrosion

- Stephen and Tyson request from Captain permission to bring aboard a temporary cart to do 30 minutes data collection at Bow of ship when travelling from Twassasen to Duke point on clear days periodically. I suggest they contact Maycira and request permission and procedure by BC ferries. Captain was OK to have an email sent by them a day prior to boarding.

Suggestions for next trip

1. Install Fan in instrument panel to reduce condensation. Basically make airflow in panel.
2. Blue goop connectors on top panel
3. Flat plastic tray that can be used to catch water dripping when disconnecting instruments. We do have a plastic tote, but its sides are tall, and are limited.
4. Install a keyboard, mouse, and VGA port on electronics panel – leave mouse and keyboard always plugged in. This way we may use the keyboard and mouse right away upon next use. Perhaps slip keyboard in a side pouch or get a flat Keyboard that's easy to tuck away.

Tool box inventory consists:

Wrenches, socket set, small tie wraps, screw drivers