

April 4th, 2013 Seakeeper service

Persons onsite: Denis, Reo

Board 12:45pm from Duke point

We were able to park vehicle in Lane 13 rather than in Customer parking area close to terminal supervisor area.

Check in Chief stewards office after departure from Duke point.

Sign in Engineering room via Golum, and take Bosun store room key. March 28th Notice Stephen Philips visited

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

- Found in Instrument Box; water at bottom; Leak sensor shorted
- Strip instruments off Housing
- Drain water at bottom of housing
- Visual suspect leaks=coming from plastic Teflon tubing fitting at manifold and ¾" Teflon tube at intake to manifold saw drip marks at fittings
- Dry off wet area(s) – bottom surface, pump area where intake is
- Service three instruments at Engineering kitchenette using sink. Seawater in instruments had foul smell.
- Tighten all fittings on manifold, and intake ¾" tube to manifold fittings
- Re-install three instruments in housing
- Cut back Teflon tube that seats to instruments and place old pressure fittings – no new pressure fittings found in Seakeeper tool box (need to order a bunch)
- Place several desicant bags in lower instrument housing and top PC housing
- Replaced with new Leak sensor
- Turned breaker ON, and flow of seawater apparent after boot-up
- Check for leaks for over 15 minutes – manifold fittings will need to be all replaced in future
- Call Marlene to verify data output/quality. Stated OK.
- Check leak status after 1hour= visually inspected OK
- Open cover plate to hull. Check over valves, sea Chest for leaks – none apparent. Sea chest was dry
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Suggestions for next trip

1. Bring NEW keyboard, mouse, and VGA extension cable

2. Order new Pressure fittings for Manifold. After each instrument service the round pressure rings have to be replaced on Teflon tubes.
3. Ground Brass shut off valve(the one that is used for Uvic students sampling) – Corrosion apparent on outer edges
4. Bring spare Leak sensor(s)

Tool box inventory consists:

Wrenches, socket set, small tie wraps, screw drivers, Kimwipes, Blue shop towel, brush,