

# Ocean Networks Canada

## Ferry Maintenance Report – Queen of Oak Bay



Vessel: Queen of Alberni

Date: March 16, 2017

Arrival: 0730

Reporter: William Glatt

Staff: William Glatt & Ian Beliveau

Ship's crew: Chief Engineer Irik Mallie

### Reason for Visit

- Regular instrument benchmarks
- Install new Air Separator
- Install new power supply and RS485 Converters

### Observations (important highlighted in red)

#### Actions Taken

- System was observed while running (noted frequency of bubbles visible in TSG)
- System was shut down and instruments were removed for benchmarking and cleaning
- The Caleffi Air Separator (551006A) was installed in the system just after the Sea strainer.
- Instruments were replaced, system powered back on and checked for leaks
- Frequency and size of bubbles appeared to decrease. Further observation required
- The SAS was inspected on the fore deck, RS485 Converter was replaced.
- SAS lenses were cleaned with alcohol and kimwipes
- Proceeded to the top of Bridge #2, and began replacing the SAS power supplies
- When power was restored to SAS it was observed to rotate approx. 90° inboard and pointed at the car deck of the vessel
- The serial data connection to SAS was tested via terminal and communications were established
- Time limited further troubleshooting, enclosures were resealed

#### Future Actions

Waiting for R59681 hygroscopic safety vent via Wolseley

Install abrasion protection for Tygon tubing penetrating deck plates

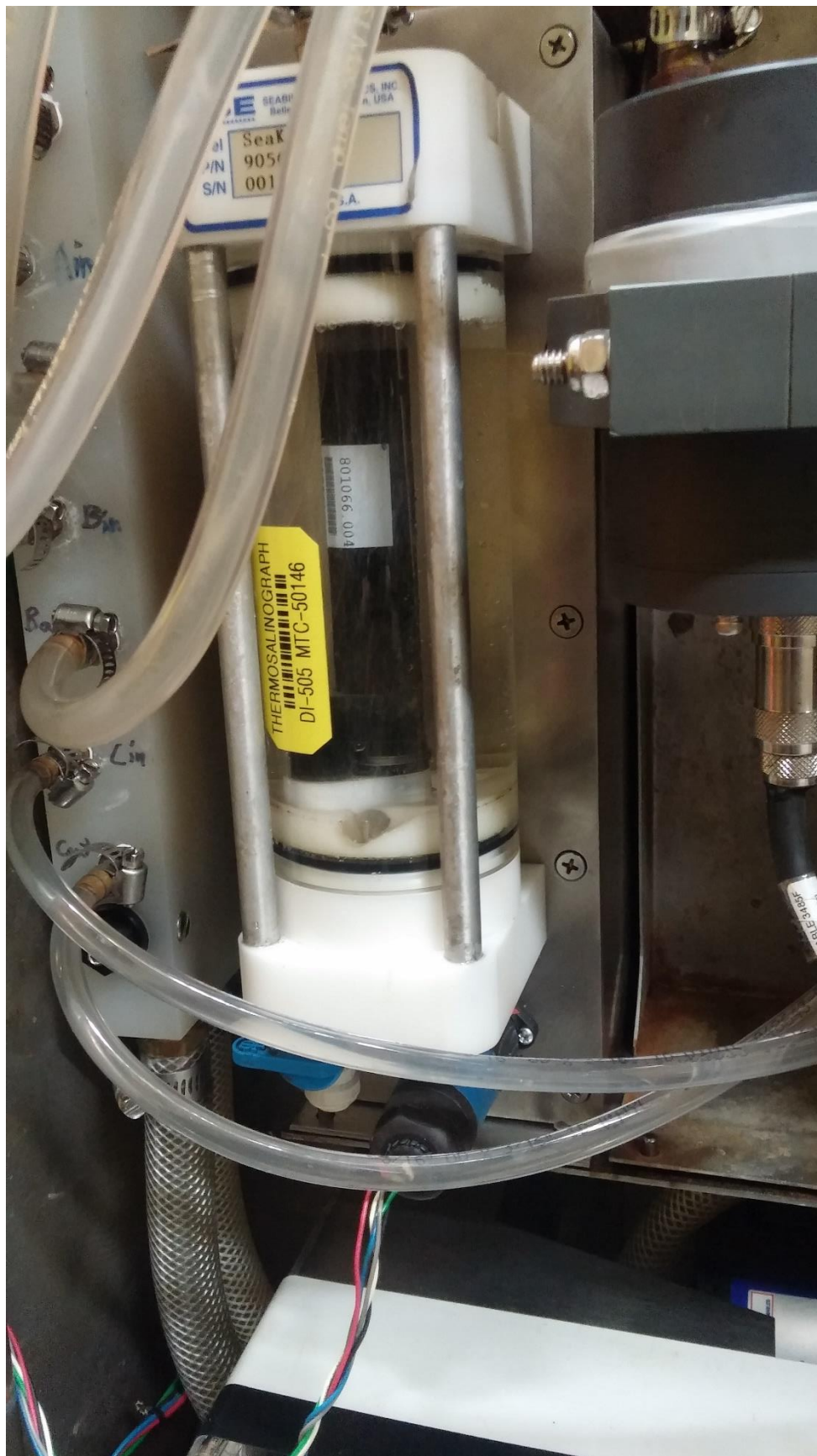
Continue observations for Alberni bubble issues

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Have an additional POD machined and plan a diver inspection if bubbles persist

**Pictures**

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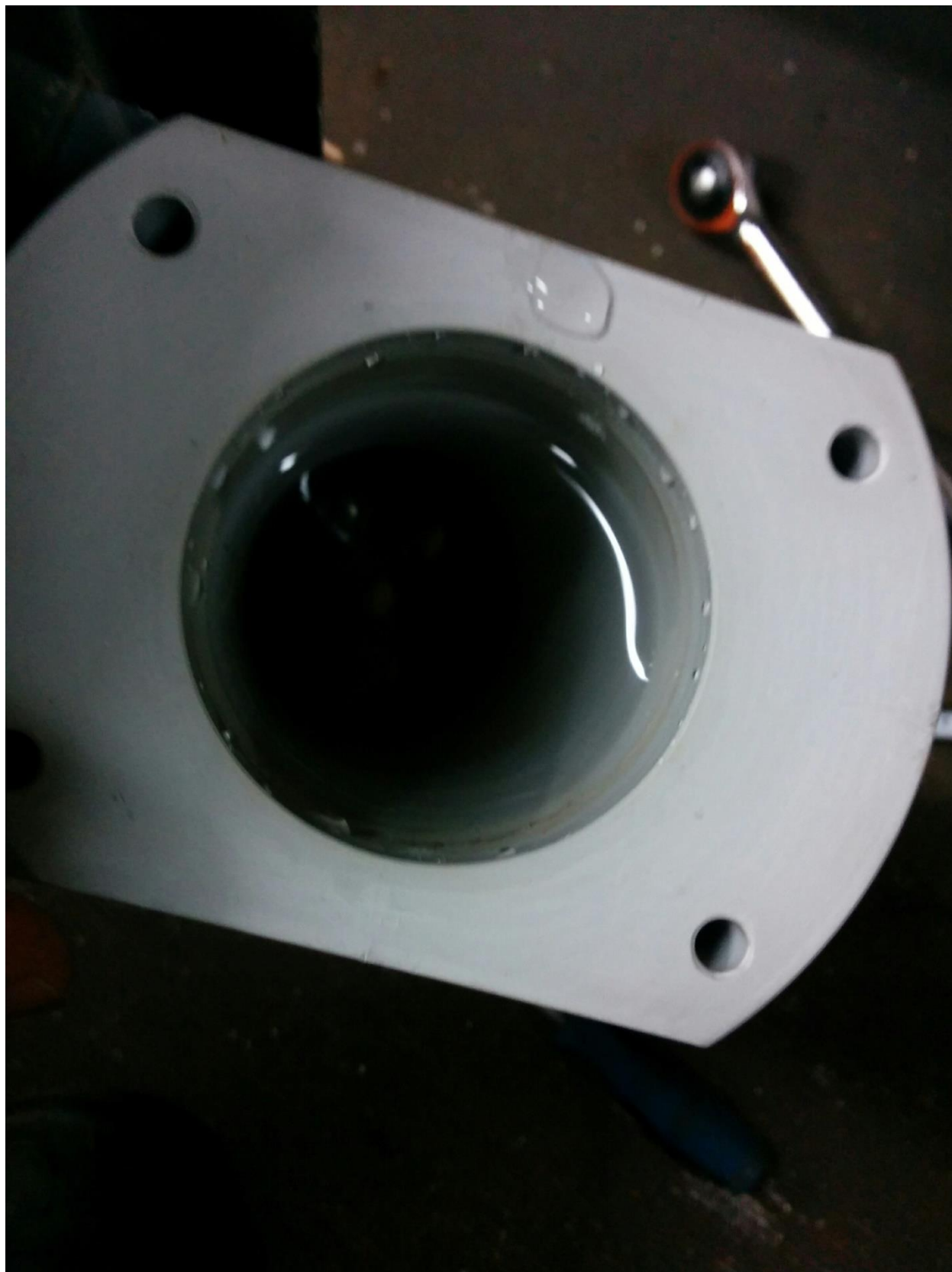


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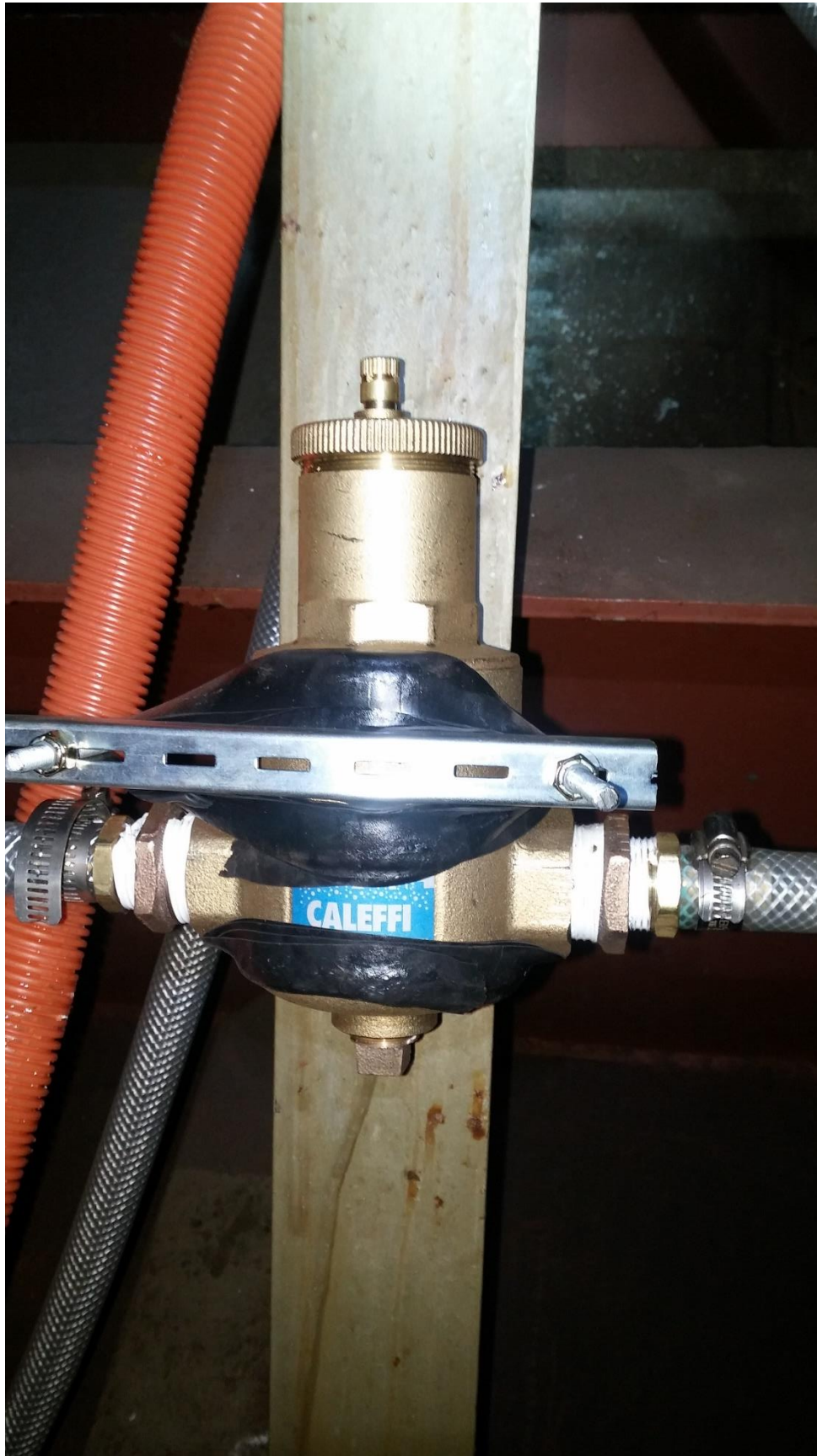
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