

-----Original Message----- From: Cheng [REDACTED] Sent: Tuesday, August 11, 2015 9:40 AM To: 'TNeeson [REDACTED] Cc: 'bweinbecker [REDACTED]

Subject: C/E Jim Robinsons Relief Notes

Hello Tim, Attached is a copy of the C/E Relief Notes and also a list started for shipyard. I have a Boiler shipyard list started on the desktop and will add to when the survey is complete. Jim

Shipyard October 2015

1. Replace suction piping #1B Stbd Bilge Tank. There is a soft patch on the 6" suction piping on the lower deck in the tank approx. 10' up from the bottom of the tank.
2. Replace any wasted angle iron mounts on the reach rod to the tank valve #1B Stbd ballast tank.
3. Repair holed piping on sounding tube for #1B Stbd ballast tank and replace any wasted mounting brackets.
4. Replace wasted 1" piping on level com sensing lines in 1AC, 1B Stbd, P&S Ramp tanks
5. The 5" ballast piping to the Stbd After Peak Tank needs to be replaced. It is blanked off inside the After Peak Centerline Tank. This was removed when the Stbd After Peak was converted for use for fresh water for the livestock. Fittings/Pipe needed- Approx. 40' Schd 80 pipe, 4-5" 45 deg ells, 2-5" 90 deg ells, 12-5" riser clamp pipe hangers.
6. Replace wasted 2" bottom blow piping on Contaminated Steam Generator, outlet side of 2" gate valve.
7. Weld/Repair generator steam drain line after the stop valve in the overhead by the Stbd Boiler, there a pin hole in the pipe.
8. Replace outdated expansion joint.
9. Pull Evaporator Tube Bundle and repair any fractures in the shell.
10. Change out Aft Inshore Winch Torque Converter, leaking approx. 6 quarts of ATF to Gear Oil side each week.
11. Replace mechanical seal FWD Main Lube Oil Pump
12. Rebuild or replace Aft Main Lube Oil Pump with warehouse spare. The pressure is running around 3-psi lower than the Fwd Pump.
13. Outbd salt water service pump 5" discharge flange at the deck plates, remove hardware/old gasket, inspect flange, if needed replace with new 5" copper nickel flange, install new gasket and mounting bolts.
14. Replace 5" globe valve fire main crossover to salt water service, there a pin hole in the bottom side of the body
15. Replace wasted/holed 1" copper nickel salt water service cooling water lines to main feed pumps
16. Replace wasted bottom knife edge Water tight door #2
17. Water tight door #9 needs to have the door ram and clevis threads repaired so clevis will screw onto ram all the way letting the door open full.
18. Pull and inspect the HP Turbine FWD Journal Bearing. This bearing has been running 168 deg at full sea speed since I have been onboard this ship. Spoke with Lee Peterson and he recommends opening for inspection.
19. Inspect the Low Pressure Reduction Gear High Speed Pinion and Gear as per Dan McDonnells recommendation. This showed up on the vibration analysis report.
20. Replace both Quincy Air Compressors with reconditioned spares from the ware house. These units are having a hard time keeping up pressure when deck department is using a lot of air. It's either re-build or install a reconditioned compressor.