

6 JUNE 1968

— RECORDED

From: Chief Engineer
To : First Assistant Engineer

Subj: Ship's Force In-Port Repairs, San Francisco, California, 6/8/68 -

FORWARD ENGINE ROOM

1. Renew carbon packing in Main Propulsion Turbine. *#2 complete*
- OK 25* 2. Renew carbon packing in #1 & #2 Auxiliary Generator Turbines.
3. Clean H.P. & L.P. flexible couplings, check and record backlash.
- OK 14* 4. Clean flexible couplings #1 & #2 Auxiliary generator Turbines, check and record backlash.
- OK 1* 5. Clean & oil #1 & ~~#2~~ Main Feed Pump couplings, check & record backlash. *577 ✓*
6. Install new pressure switches, when same are received, and set alarms at 15# on lube oil pressure gage at gear casing header main propulsion unit for low oil alarm.
- OK 7* 7. Make repairs to flange face in 150# manifold by-pass valve.
8. Make permanent repairs to leaking eyebolt hole in H.P. Turbine fwd. spindle bearing cover.
9. Pack all valve stems in gland seal line, Main Propulsion Unit.
- OK 0* 10. Remove relief valve on atmosphere drain tank & replace vent to atmosphere. At present the tank is a pressure vessel & not designed for this service.
11. Free casing gear for Safety Valves.
12. Test oil pressure gages for #1 & #2 Auxiliary generators and adjust relief valves to maintain 60# operating pressure.
13. Install proper thermometers in Main & Auxiliary Condenser when same are received.
14. Overhaul Main Bristol Control circuit. simulate circuit operation by using hot & cold water and determine Leslie Regulator for Chill water circuit operates.
- 15* 15. Replace leaking gasket in A/C unit exhaust line.
- 16* 16. Replace leaking gasket in ahead throttle balance valve flange.
17. Purify Lube oil in #1 & ~~#2~~ Main Feed pump & check internal guide nuts. *✓ 577*
- OK 1* 18. Repack plungers #1 & ~~#2~~ Main feed pumps & plunger push rods, renew plungers as required.
- OK 1* 19. Overhaul or replace leaking fresh water feed valve to make-up evaporator.
- OK 0* 20. Inspect fire sides #1 & ~~#2~~ boilers to determine method and necessity of cleaning. *WATER WASHED FIRE SIDE*
21. Grease Fuel oil pump couplings.
- OK 1* 22. Repack soot blowers & soot seals #1 & #2 boilers as required.
23. Point up all boiler casing.
- OK 1* 24. Open, clean & paint, & renew zinc as required in ~~Main~~ & Auxiliary condensers.
- 25* 25. Replace leaking pipe plug on Auxiliary air ejector header, condensate inlet side.

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FORWARD ENGINE ROOM

- ②6. Renew leaking gasket in steam line to A/C turbine, aft., Engineroom, cross-over.
- ②7. Clean sight glasses, all condensers.
- ②8. Repair all oil leaks on main unit and bubblers.
- ②9. Centrifuge lube oil in #2 Auxiliary generator and inspect sump. ✓
- ③0. Renew leaking gasket in root valve steam line from #1 boiler to A.C. Unit.
- ③1. Overhaul $1\frac{1}{2}$ " steam valve to make-up evaporator.
- ③2. Install solid plugs in open vent pipes #1 & #2 steam drums.

pk/Remove internal line on vent line atmospheric Drain Tank.

M. S. Chamberlain
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10 AFTER ENGINE ROOM

- ① Renew carbon packing in Main Propulsion Turbine. *H.P. complete*
2. Renew carbon packing in #3 & ④ Auxiliary generators.
3. Clean H.P. & L.P. flexible couplings, check & record backlash.
4. Clean flexible couplings ③ & ④ Auxiliary generator Turbines, check and record backlash. *#3 H.P. sampling Backlash 0.018"*
- OK* 5. Clean & oil #1 & #2 Main Feed pump couplings, check & record backlash.
6. Install new pressure switches, when same are received, and set low oil alarms to sound @ 15 $\frac{1}{2}$ # on lube oil pressure gage at gear casing header on Main Propulsion Unit.
- OK* 7. Remove relief valve on atmosphere drain tank & replace atmosphere vent.
- ⑧ Free easing gear to Safety Valves.
9. Test oil pressure gages for #3 & #4 Auxiliary Generators & adjust relief valves to maintain 60# operating pressure.
10. Install proper thermometers in ~~Main~~ & Auxiliary condensers when same are received.
- OK* ⑪ Purify lube oil in #3 & #4 Main Feed Pumps & check internal guide nuts. *OK*
- OK* ⑫ Repack plungers #3 & #4 Main Feed Pumps & tie rods, renew plungers as required.
- OK* ⑬ Inspect fire sides #3 & #4 boilers to determine method & necessity of cleaning. *SS*
- OK* ⑭ Grease fuel oil pump couplings.
- OK* ⑮ Repack soot blowers and soot seals #3 & #4 boilers as required. *SS*
- ⑯ Paint up all boiler casing leaks. *#3 OK #4 H.P.*
- OK* ⑰ Open, clean & paint head interiors of Main & Auxiliary Condensers with Apexior, renew zinc as required.
- OK* ⑱ Repair all oil leaks on Main Unit & bubblers.
- OK* 20. Centrifuge lube oil in ③ & #4 Auxiliary Generators & inspect sumps.
21. Install solid plugs in all open vents on #3 & #4 steam drums.
- ~~21. Check generator governor oil pressure gages and adjust relief valve to maintain 60# operating oil pressure.~~
22. Install thermometers where missing in Superheater & stack uptakes when available.
23. Repair holed drain line overhead & behind throttle gage board.
- OK* ⑳ Renew body gasket #3 generator lube oil strainer. *OK*
- OK* ㉑ Repack main steam stops #3 & #4 boilers.

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AFTER ENGINE ROOM

26. Overhaul or renew generator bulkhead steam stop drain valves.
27. Repack 70# steam ~~xxx~~ cross-over valve.
28. Repack inlet valve to 25# steam station.
29. Repair patched auxiliary exhaust line over #4 Main Condensate pump.
30. Overhaul inlet valve to gland seal steam manifold.
31. Repack all valves on 25# station.
32. Replace inoperable gage at discharge of Auxiliary circulator. 0-30
33. Install proper thermometer in overboard discharge #4 Auxiliary Condenser.
34. Replace holed wyg in drain line behind #3 boiler.
35. Pack warmup valve over #4 boiler.
36. Renew gasket on 2nd Stage Auxiliary Air ~~xxx~~ ejector nozzle block.
37. Overhaul scavenger lines on soot blower system #3 & #4 boilers. ✓
38. Repack root valves to Contaminated evaporator, fresh water pump, & Diesel oil pumps. ^{#4 RENEWED}
39. Repack 70# steam cushioning valve #3 feed pump. 547
40. Repack all boiler compounding station valves.
41. Replace section of boiler water cooling water supply above #2 air compressor pressure switch.
42. Repair leaking fire hydrant valves behind #3 boiler & near #2 electric F.W. pump.
43. Replace leaking 3/4" elbow on drain line behind #3 boiler.
44. Replace leaking gasket at 150# steam line to 70# & 35# reducing station relief valve.
45. Renew valve stem packing of #3 & #4 Auxiliary generator steam valves, gland seal and leak off valves.
46. Inspect valves and replace gaskets #3 & #4 Main Feed Pump.
47. Install new needle valves on feed regulators #3 & #4 boilers.
48. Remove dead end line, open, inback of #3 boiler, at first flange below 5th deck and blank off the opening.
49. Repair leaking fuel oil by-pass valve #3 boiler.
50. Test first stage fuel heater & condenser.
51. Remove internal pipe on Atmospheric Drain Tank vent. ^{W. S. Chamberlain}
52. Overhaul fuel oil meter #3 boiler.

#2, 013 "
#1, 012 "

USNS GENERAL JOHN POPE, T AP 110

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DAY WORKERS

- ① Replace section of deteriorated fire main, 6-133-1
2. Inspect counter gear ring on port shaft.
3. Change doors in passageway 2-145-2 Aft., total 9, to open ~~xxxxxx~~ in rooms.
4. Install vents on dryers in crew area when material is received.
- ⑤ Adjust drain trap first effect #2 evaporator. *358*
6. Overhaul submersible Bilge pump.
- ⑦ Overhaul steam stops to both evaporators & renew all zinc pencils. *358*
8. Make mandril for ship's Service Generator lifting rod stems.
9. Continue chipping & painting fan rooms, engine rooms, machine shop & tool room, also steering gear compartment.
- ⑩ Install hold back hook on weather tight door to port fueling port.
- ⑪ Plug stuffing tube Blkhd #130 fwd & outboard #3 boiler.
- ⑫ Test #2 Evaporator air ejector condenser & plug any leaking tube. *Plugged two tubes 358*
13. Make and install screens under ship's service generators.

PLUMBERS:

- ① Replace patched section of 2" steam line outboard head of hot water heater in reefer space.
- ② Install thermo traps in Galley equipment.
- ③ Renew packing in Firemain cut-out valves.
- ④ Wash crown deck of each stack and drain from incinerator stack. *#2 done*

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-----ELECTRICIANS

1. All Auxiliary pump motors & controllers in machinery spaces to be cleaned, brushes freed up and adjusted. Megger readings on all motors.
2. Circuit breaker trips on 1-2-3- & 4. S.S. Generators to be checked for proper settings approximately 1917.5 amps, dash pots checked for oil level & linkage freed up.
3. Engine room & "B" board switchboards to be cleaned as time permits. *after ash OK*
4. Vent motor E-01-162-4 to be completely overhauled.
5. Vent motor E-2-172-1 to be assembled.
6. No. 2 Brine pump motor to be removed to electric shop for complete overhaul.
7. All Evap pump motors and controllers to be checked and repairs made as needed. Take megger readings on all motors.
8. Nos. 2-3- & 4 Ship's Service generators to be washed out with solvent. Brushes freed up and adjusted. Take megger readings.

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