

S.S. "TA SHUN" (ex Corvette "Bowmanville")

AUXILIARY MACHINERY (Cont'd):- Condenser cleaned, examined, tested and closed in good order. Evaporator cleaned, examined, coils annealed, tested and closed in good order. Distiller cleaned, examined, tested and closed in good order. Feed Heater cleaned, examined, tested and closed in good order. Fan engines and dynamo engines opened up, cleaned, examined and closed in good order. Bilge lines and valves examined and fitted in accordance with Approved Plans (New York 17-9-46) and on completion tried under working condition. Both steam bilge ejectors opened up, examined, closed in good order and tried under working conditions. Ballast line fitted in accordance with Approved Plans (New York 17-9-46). Fire line, valves overhauled and line tested. Main and auxiliary steam pipes also feed pipes tested and examined in place. Steering engine and telemotor gear opened up, examined, found or placed in good order and tried under full working conditions. Windlass engine opened up, examined, closed in good order and tried under full working conditions. Feed tanks and filters cleaned, examined and closed in good order.

BOILERS:- For'd and after boilers together with all mountings and manhole doors opened up, cleaned, examined internally and externally, hydrostatically tested, found or placed in good order. Oil fuel units opened up, cleaned, examined, found or placed in good order. Oil heaters opened up, cleaned, tested, examined and closed in good order. All oil fuel lines, valves and strainers opened up, cleaned, examined, closed in good order and tried under working conditions. Steam oil fuel transfer pump opened, examined, tested and tried under working conditions. Steam smothering lines and extended spindles tried under working conditions. Steam heating coils in tanks examined and tested in place, proven sound and tight.

ELECTRICAL EQUIPMENT:- Both generators (one 30 and one 60 KW) opened up, cleaned, megger tested and closed in good order. Switchboard, switches, fuses, distribution panels, motors and all electric wiring throughout the Vessel examined, megger tested and tried under full working conditions. This Vessel has now been rewired as per Approved Plans (New York 17-10-46).

WEAR & TEAR REPAIRS:- Air pump, steam chest bored, piston and rings renewed. Valve chest bored out and new valve fitted. Spare valve chest bored out and new valve fitted. For'd boiler, one feed check valve and one gauge cock renewed. Brickwork partly renewed. All valves ground in and packed. Aft boiler, one feed check valve, two drain cocks, also one gauge cock renewed. Brickwork partly renewed. All valves ground in and packed. Oil fuel transfer pump, steam and oil ends bored, piston, plunger and rings renewed. Valves ground in.

ALTERATIONS:- Bilge lines and valves relocated throughout Vessel.

Ballast lines and valves relocated throughout Vessel.

Oil filling line installed with necessary valves, and extended spindles fitted to all oil fuel tank suction valves.

Electric wiring throughout, together with distribution panels relocated to suit Approved Plans dated 17-10-46 New York.

20 ton electric pump piped to suit sanitary system.

8½" x 6" x 11½" vertical, steam pump fitted as oil transfer pump.

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ALTERATIONS (Cont'd):- Emergency 15 KW oil, generating set removed from Vessel together with all switch gear and wiring.

On completion of the conversion and repairs, the Main Engine, Boilers, Auxiliary Machinery and Electrical Equipment were tried out under full working conditions during a trial run on the River of four hours duration and found satisfactory. The safety valves were adjusted under steam, tested for accumulation and thickness of washers noted. The pumping arrangements throughout have been tried under full working conditions and found satisfactory. The workmanship and materials are good and sound.

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