





placed in good condition and in accordance with approved plans.

**Boiler Survey.** The 2 main boilers examined throughout together with their safety valves superheaters, mountings and manhole doors, safety valves adjusted under steam to 216 lb. Main and Auxiliary machinery tested under working conditions and found satisfactory.

**S.R.List:-** Repaired water tubes (2) in both main boilers specially examined and found to remain efficient meantime. It is, however, submitted that these repaired tubes be renewed at the first opportunity. Owners' Representative states that spare tubes are on order.

**Repairs:-**

**Main Engine:-** Crankshaft lifted, all main bearings and bottom end bearings remetalled. After L.P. top end bearings remetalled.

**Main circulating pump.** Impeller and shaft renewed.

**Ballast pump.** Outboard water end liner renewed.  
Inboard water end liner skimmed.

**Condensate pump.** All suction and delivery valve seats renewed.  
New piston, bucket and bull rings renewed.

**Forward main feed pump.** Water end liner & bucket renewed.

**After main feed pump.** Bucket & piston rings renewed.

**Fan engine.** Top end pin machined and new brasses fitted. New piston rings fitted.

Lower half of stern bush rewooded.

bilge  
Ballast pump direct/suction now led to starboard side of engine room and main bilge injection valve renewed and now fitted as non-return as per Secretary's letter dated 8th. May, 1948.

**Main Boilers:-** Gauge glass fittings renewed.  
Internal feed pipe of Port boiler renewed.  
Four lengths of steel feed pipe renewed in copper.

Reports 4, 5a & 13 attached for Machinery, Boilers & Electrical Equipment.

Several other minor repairs carried out under Licence No. B1/1457.



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