

air pumps; Three circulating pumps; ⁽³⁾ bilge and ballast pumps; Two pumps; One auxiliary condensate (air) pump; Main trimming (ballast) pump; Dry and fire pumps; Fresh water pump; Oil cooler pump; Two evaporator pumps; Two distillate pumps; Three turning engines; auxiliary condensers (tested) class engine; steering engine and towing winch, and evaporators. The valves, pipes and strainers of the pumping arrangements examined and tested and found efficient. The main steam pipes, superheat steam pipes, auxiliary steam pipes, boiler feed pipes, boiler blow down pipes tested to 2 WP and found in satisfactory condition. The electrical installation and equipment examined and megger tested and found or placed in good order.

All main boilers examined internally and externally together with mountings, superheaters, doors and fastenings and found or placed in good order. On completion of repairs each boiler examined under hydraulic test pressure of 150 lbs/sq. in. Boilers subsequently examined under steam and their safety valves adjusted to 200 lbs/sq. in. Main and auxiliary machinery examined under working conditions during sea trials under low and full power conditions.

Major repairs effected at this time:-

Three stern bushes retinned throughout; three main engine crankshafts lifted, cranks placed in lathe and pins and journals lightly skimmed; main and bottom end bearings retinned on all three engines and crankshafts re-aligned with intermediate, thrust and screw shafts; crankshaft deflections and pin and journal diameters checked and recorded as per attached drawings. Main condensers retubed together with auxiliary condensers. Approx. 1500 plain tubes 90 stay tubes and 750 combustion chamber and crown girder stays and 300 combustion chamber stay nuts renewed in the three main boilers. Other repairs in accordance with attached specification.

Starboard screw shaft found distorted at cone approx. 3/16" and renewed at this time. New screw shaft identified "LLOYDS 2098 C.P. 19-4-48." (Certificate attached)

Wm. G. GRIEVE for self and G. C. CHAMPNESS.
+ E. GRIEVE