

APK 1947

CONTINUATION OF REPORT:-

HYDRAULIC TESTS:- 23/9/46. Starboard Boiler to 1 1/2 x W.P. = 270 lbs per sq. inch.
11/1/47. Port Boiler to 1 1/2 x W.P. = 270 lbs per sq. inch.
12/9/46. Main Steam Pipes to 2 x W.P. = 360 lbs per sq. inch.
All with satisfactory results.

REPAIRS EFFECTED:-

PORT & STAR'D BOILERS. Opened up, cleaned thoroughly internally and externally. Mountings opened up, overhauled, studs renewed and put back in good order.

PORT BOILER. PORT FURNACE. Collapsed furnace removed, back tube plate faired in place and new furnace fitted. Longitudinal solid stay on port side of this furnace, supporting the front and back tube plates, renewed. Three bottom rows of plain and stay tubes re-expanded at the back tube plate.

STAR'D FURNACE. Three combustion chamber back stays re-caulked and nuts refitted.

REMARK:- New Furnace in Port Boiler is marked as follows:- Lloyd's 3420. 16/8/46.

MAIN ENGINES:- All cylinders and valve chests opened up for examination and re-setting.

All main bearings adjusted.

All bottom and top end bearings adjusted as necessary.

Eccentric straps examined and adjusted as necessary.

H.P. Piston valve rod metallic packing examined and adjusted.

Thrust Block, Horse shoe bearings re-adjusted.

Main Condenser with fittings and connections overhauled and re-jointed. Defective ferrules replaced.

After completion tested to 30 lbs. per sq. inch water pressure.

REMARK:- Water Box slightly wasted in way of Ballast pump delivery. It was stated by the Owners' Representative that a new Water Box has been ordered in the U.K. and will be supplied and fitted at the first opportunity.

Propeller examined and found in good condition. (2 Spare blades on board).

17/9/46. Propeller shaft (CL) down and examined.

Stern Gland repacked.

Pump levers, gudgeon pins, rocking shaft, pump links and bearings trued and adjusted.

REMARK:-

The present Screw Shaft appears to be the original Spare one. Marked:-

Lloyd's 7007.R.T.B. 6/8/24.

Original Shaft new Spare with new liner. Marks:- Lloyd's 7006.R.T.B. 6/8/24.

AUXILIARIES:- Centrifugal Circulating Pump. Completely overhauled and adjusted.

Main Feed Pump. Overhauled and adjusted as necessary.

Dynamo Engine. General adjustments.

Main Engine Bilge Pumps. Suction and delivery valves refitted.

Main Engine Air Pump. Valves and seats reconditioned.

Ballast Pump. Suction and delivery valves and seats reconditioned.

General Service Pump. Refitted as necessary.

Evaporator Coils. Cleaned and tested.

Feed water Heater. Coils tested.

Oil Fuel Heaters. Tube nests cleaned and tested.

Charge Pumps. General adjustments.

Steam Steering Engine. (Thomas Read & Sons, Paisly). Completely overhauled and adjusted. Piston bodies of special design built up by electric arc welding and machined. Piston rings renewed.

REMARK: New pistons have been ordered in the U.K. to be supplied and fitted at the first convenient opportunity.

ELECTRICAL INSTALLATION:- Electric cables, wiring, fittings and distribution fuses, all of approved type and as original, renewed, as follows:-

Crew's quarters forward, Chart and Wheel house, Navigating Lights, Wireless room, Captain's quarters, Officers' Messroom, Officers' quarters (P&S), Steward's Store, Deck store room, Paint locker; At front, after end and sides of deck house. Outside Pumproom to bulkhead of forward quarters. In stokehold from switch board in engine room.

INSULATION VALUES ON THE 18/1/47.

Generator. Clarke & Chapman & Co.

7.5KW-110V-68A.-350 RPM.

All in test..... 2 megehms.

Spare Armature..... 2 megehms.

Test from Main Panel and/or Section Fuse Boards.

Forecastle & Deck lights..... 2 megehms.

Accommodation..... 1 megehms.

Navigating lights..... 20 megehms.

Stokehold and Engine Room..... 1 megehms.

Fan and Lathe..... 6 megehms.

Sundry minor repairs carried out to pipelines and stop valves.

Boilers, Main Engines and Auxiliary Machinery seen under working conditions, during Deck trials, on the 21/1/47 for a period of four hours, and found in good condition.

An interim Certificate was issued on the 21/1/47, copy of same accompanies this Report.

A. J. Van Dam
R. J. Van Dam.
27/1/47.