Rpt. 9.

No. 117764.

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

Date of writing Report ..... 19 ..... When handed in at Local Office 9 MAY 1942 19 ..... (Received at London Office 12 MAY 1942)

No. in Reg. Book. 28359 Survey held at Liverpool Port of LIVERPOOL

on the Machinery of the ~~Wood, Iron or~~ Steel Twin Sc. "Mattawin" Date First Survey 12/3/42 Last Survey 22/4/1942 (No. of Visits 8)

Tonnage { Gross 6919 / Net 4220

Nominal Horse Power 810

No. of Main Boilers 1

No. of Donkey Boilers one

Steam Pressure— in Main Boilers ✓ in Donkey Boilers 100 lb

Vessel built at Glasgow By whom Harland & Wolff Ld When 1923 4

Engines made at Glasgow By whom Harland & Wolff Ld When 1923

Boilers, when made (Main) ✓ (Donkey) 1923

Owners Ellerman & Bucknall Line Ld. Owners' Address ✓ (if not already recorded in Appendix to Register Book.)

Managers ✓ Port Liverpool Voyage ✓

If Surveyed Afloat or in Dry Dock Dry Dkg. Gen Exmn & Part CS (State name of Dock.)

Last Report No. ✓ Port ✓

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER. ✠ for Special Survey Date of last Survey and of Periodical Surveys.	Years assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any).
+ 100 A1 Shelter Deck Twin Screw Board. 5.41. SS Rhe No 3. 2.36. Examined 5.41. NYK.		+ Lmc. CS. 2.36 8.38. DBS. 8.41. TS. CL. 12.39. Oil Engines Continuous Survey.

Particulars of Examination and Repairs (if any) Dkg. Gen Exmn & Part CS

Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case. ✓

In damage cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined ✓

Was a damage report made by anyone else? If so, by whom? ✓

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? ✓

" " Donkey " " " No

If this was not done, state for what reasons Not due.

And what parts of the Boilers could not be thus thoroughly examined? ✓

Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? ✓

State latest date of internal examination of each boiler ✓ Present condition of funnel(s) Good

Did the Surveyor examine the Safety Valves of the Main Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine the Safety Valves of Donkey Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? ✓ , and of the Donkey Boilers? ✓

Did the Surveyor examine the drain plugs of the Main Boilers? ✓ , and of the Donkey Boilers? ✓

Did the Surveyor examine all the mountings of the Main Boilers? ✓ , and of the Donkey Boilers? ✓

Has the screw shaft now been drawn and examined? Port only Is it fitted with continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

Has shaft now been changed? No If so, state reasons ✓

Has the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

State date of examination of Screw Shaft Port 21st March State the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft Port Lower wood renewed Stbd 3/16.

Engine parts, when referred to by numbers, should be counted from forward. ✓

Is electric light and/or power fitted Yes

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms.? Yes

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done Part CS. please see previous reports.

Examined the Port tail shaft, both propellers and fastenings of sea connections.
Examined Port No 2 + 3 m.E. cylinders liner piston covers valve & gear and No 1 2 3 4 5 + 6 m.E. crossheads.
Examined Stbd No 1 m.E. cylinder liner piston cover valve & gear, No 1 2 3 4 5 + 6 crossheads + Stbd inboard air pump.

Repairs. Port No 2 + 3 pistons renewed and new liner fitted to No 3 (P) cylinder.
Stbd No 1 m.E. piston + liner renewed.

Minor repairs effected as per Where Best.

General Observations, Opinion, and Recommendation:— PTO

(State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, B.S. 9,11, B.&M.S. 9,11, ✠ L.M.C. 9,11, or ✠LMC CS 3,34, 140 lb., F.D., &c.)

The machinery of this vessel is in safe working condition and eligible in our opinion to remain as classed with present records of Port Tail Shaft seen 3.42 and CS with date on completion.

Survey Fee (per Section 29) Electrical Repair £ : : Fees applied for 9 MAY 1942 19 .....

Special Damage or Repair Fee (if any) (per Section 29.) £ 4 : 4 : 0

Travelling expenses (if chargeable) £ – : 8 : 0 Received by me, 19 .....

LICENCE CASE LIVERPOOL 12 MAY 1942

Committee's Minute

Assigned As now.

T.S. (P) 3.42.

Engineer Surveyor to Lloyd's Register of Shipping.

Insert Character of ship and Machinery precisely as in the Register Book

Is a Certificate required? If so, to be sent to

Electrical Equipment generally examined. All generator, motor & circuits megger tested. Number of repairs effected. Installation tested on completion & found satisfactory.

Repairs. No 3. Generator armature rewound, field coils cleaned & varnished brush gear overhauled. Nos 1 & 2 Generator generally overhauled. All eng. room auxiliary motor & control gear overhauled. Emergency lights fitted complete with battery for boat lights. Slewing gear motor overhauled.

The following parts stated to have been examined at Capetown, Freetown & Lagos have been verified by me as far as possible.

At Capetown. July 1941. Stbd No 4 & 5 M.E. Cylinders pistons & liners.

At Freetown. Nov 1941. Stbd M.E. Compressor, piston, cylinders, Connecting rod Judson crank pin & main bearing. Stbd Bilge pumps. Buckets, rods, liners, crank pin, crank shaft and bearings. & Stbd Circulating pumps.

At Lagos Octr 1941. Stbd No 2 & Port No 5 M.E. cylinders pistons & liners. Port & Stbd tunnel shafting.

At Lagos January 1942. Port & Stbd fuel oil settling tanks

Noted

Brand 4.4.42 — 13.4.42

20/5/42