Rpt. 9.

No. 113497.

# Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office DEC 6 1939)

Date of writing Report ..... 19 ..... When handed in at Local Office 2 DEC 1939 19 ..... Port of Liverpool

No. in Reg. Book 29165 Survey held at Liverpool Date, First Survey 4 " Last Survey 1/12/1939 (No. of Visits 1)

on the Machinery of the ~~Wood, Iron or~~ Steel S.S. "MARDINIAN"

Tonnage { Gross 2434 / Net 1426 } Vessel built at Sunderland By whom S.P. Austin & Son Ld When Year 1919 Month 8

Nominal Horse Power 266 Engines made at — do — By whom Richardson, Westgarth & Co Ld — do —

No. of Main Boilers 2 Boilers, when made (Main) 1919 (Donkey) ✓

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

Managers Ellerman & Papayanni Lines Ld Port Liverpool Voyage ✓

No. of Donkey Boilers ✓ Steam Pressure in Main Boilers 180 in Donkey Boilers ✓

If Surveyed Afloat ~~or in Dry Dock~~ Yes (State name of Dock.) Alexandra.

Last Report No. 9799 Port Mch Completion

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). |
|---|---|---|
| +100A.1. ~~8.39~~ 11.39 | | +L.M.C. 6.37 |
| SS Lin No 3. 6.32 | | B.S. 8.38 |
| SS Mch No 1. 3.7 | | TS 5.39 |

Insert Character of Ship and Machinery precisely as in the Register Book.

Particulars of Examination and Repairs (if any) B.S.

(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 " " " ✓

If this was not done, state for what reasons? ✓

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? 180 lbs/in

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

Has shaft now been changed? ✓ If so, state reasons ✓

Has the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓

State date of examination of Screw Shaft ✓ State the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft vessel afloat

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

Is electric light and/or power fitted? ✓

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

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

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done Complete.

— See Manchester Report —

Now done:-
Boiler safety valves adjusted to pressure stated

SCREW SHAFT FITTED WITH JOINTED C.L.

General Observations, Opinion, and Recommendation The machinery of this vessel

(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 CLMC 140 lb., F.D., &c.) CS 3,34,

as far as now seen is in good & efficient condition & eligible in my opinion to remain as now classed with Record of B.S. 11.39 as previously recommended, subject to the tail shaft being examined at joints of liners before the end of May 1941.

Survey Fee (per Section 29) ..... £ : :

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

Travelling expenses (if chargeable) ..... £ : :

Fees applied for ..... 19

Received by me, ..... 19

C. Norman Stuart
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned B.S. 11.39.

LIVERPOOL -5 DEC 1939

The Surveyors are requested not to write on or blank the space for Committee's minute.

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



W55-0146

Noted
Jun
12.12.39

SCREW SHAFT FITTED
WITH JOINTED O.L.