

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

(Received at London Office)

AUG -4 1939

Date of writing Report 3 Aug 1939, When handed in at Local Office 3 Aug 1939. Port of CARDIFF.

No. in Reg. Book. 21189 Survey held at Cardiff Date, First Survey and Last Survey 29 July 1939 (No. of Visits 1)

on the Machinery of the Wood, Iron or Steel Sc. "Branden"  
Tonnage { Gross 1594 Vessel built at Paisley By whom J. Fullerton & Co. When 1925, 4  
          { Net 943 Engines made at Govan By whom Ross & Duncan When 1925  
Nominal Horse Power 226 Boilers, when made (Main) 1925 (Donkey)  
No. of Main Boilers 2 Owners Angel, Son & Co. Ltd. Owners' Address Liverpool Voyage ✓  
No. of Donkey Boilers ✓ Managers ✓ (if not already recorded in Appendix to Register Book.)  
Steam Pressure in Main Boilers 180# Port Liverpool Voyage ✓  
in Donkey Boilers ✓ If Surveyed Afloat or in Dry Dock Road Dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Report No. Port

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

(Periodical Surveys, when held, must be reported in detail and serially 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? No.

" " Donkey " ✓

If this was not done, state for what reasons? B.S. p. 4. Please see off. Rpt. 52907.

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 Good.

Did the Surveyor examine the Safety Valves of the Main Boiler? ✓ To what pressure were they afterwards adjusted under steam? 180#

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? No. 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? ✓ 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 ✓ State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft ✓

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. To complete the survey,

four stopped tubes in Starb. Main Boiler, to be renewed. The Owners' Supst.

states that this will be dealt with as soon as can be conveniently

arranged.

How done. Main Boilers examined under steam & safety valves

adjusted to pressure stated.

Stopped tubes in Starb. main boiler examined and found efficient

meantime.

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, E.S. 9,11, E.A.M.S. 9,11, L.M.C. 9,11, or L.M.C. 140 lb., F.D., &c.)

as now seen is in efficient condition and eligible in my opinion,

to remain as classed with fresh record B.S. 5,39 as previously

recommended, subject to renewal of four tubes in Starb. Main Boiler

Survey Fee (per Section 29) £ : : Fees applied for

Special Damage or Repair Fee (if any) (per Section 29.) £ : : Received by me,

Travelling expenses (if chargeable) £ : : 19

Committee's Minute TUE 22 AUG 1939

Assigned Deferred



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