

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

(Received at London Office AUG 16 1939)

When handed in at Local Office 5. 8. 39 Port of GLASGOW

Survey held at IRVINE Date, First Survey 12 JULY Last Survey 29<sup>th</sup> JULY 1939  
(No. of Visits 2)

on the Machinery of the Wood, Iron or Steel S.S. BERYL Year. Month.

Gross 568 Vessel built at TROON By whom AILSA SHIPBUILDING CO LTD When 1924 11  
Net 236 Engines made at TROON By whom AILSA SHIPBUILDING CO LTD When 1924

Boilers, when made (Main) 1924 (Donkey) ✓

Owners WILLIAM ROBERTSON ESQ Owners' Address ✓  
(if not already recorded in Appendix to Register Book.)  
Port GLASGOW Voyage COASTING

Managers ✓  
If Surveyed Afloat or in Dry Dock IRVINE SLIPWAY Particulars of Classification (which must be inserted  
(State name of Dock.) precisely as in Register Book & Supplements).

Donkey Boilers ✓  
st Report No. Port

Particulars of Examination and Repairs (if any) Docking & M.S.

Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the nature and extent of examinations and subsequent repairs. Repairs on the cause of which must be stated should be separated from repairs due to other causes; and the cause of damage (the cause of which must be stated) should be briefly summarised at the end of the report. State also the names and initials of any letters respecting this case.

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 ✓

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

he Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? No

Donkey ✓

was not done, state for what reasons? B.S. NOT DUE.

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

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? ✓

Latest date of internal examination of each boiler ✓

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

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

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

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

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

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? ✓

Shaft now been changed? ✓ If so, state reasons ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

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? ✓

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 3/16"

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and power fitted? YES

Did the Surveyor examine the generators, motors, switchgear, cables and fuses? YES

Insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? YES

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

NOW DONE Vessel placed on slipway, propeller, stern bush, no connections and their fastenings examined.

Cylinders, pistons, slide valves, crank, thrust and intermediate shafts; pumps and condensers (tested hydraulically) also the valves, cocks, pipes and strainers of the pumping arrangements examined.

All main steam pipes tested by hydraulic pressure to 360 lbs per square inch.

Electrical equipment examined and tested as required by the rules. Minor repairs effected.

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, & M.S. 9, 11, & L.M.C. 9, 11, or 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, & M.S. 9, 11, & L.M.C. 9, 11, or

as far as now run, is in good condition and eligible in my opinion to remain as entered with fresh record of M.S. 7, 39.

Fee (per Section 29) £ 5 : - : - Fees applied for 15 AUG 1939

Damage or Repair Fee (if any) £ : - : - Received by me, 31/8/39

Other expenses (if chargeable) £ - : - : -

Committee's Minute GLASGOW 15 AUG 1939

Signed M.S. 7.39

Engine Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

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