

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

TUE. 3 MAR. 1921

(Received at London Office)

of writing Report 17th March 21 When handed in at Local Office 17th March 1921 Port of Barrow-in-FurnessSurvey held at Barrow-in-Furness Date, First Survey 27th May 1920 Last Survey 15th Feb 1921
(No. of Visits 8)

on the Machinery of the Wood, Iron or Steel

Master

YEAR. MONTH.

Vessel built at Glasgow By whom W. Beardmore & Co. 75 N 616 When

Engines made at _____ By whom _____ When _____

Boilers, when made (Main)

(Donkey)

Owners Commonwealth Govt. Line of Port

If Surveyed Afloat or in Dry Dock

(State name of Dock.)

Voyage

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 or Expired.	Machinery and Boiler Surveys (including date of N.B., if any).

Report No. _____ Port _____

Particulars of Examination and Repairs (if any) Steering Gear.

Local Surveys, when held, must be reported in detail and verbatim in the terms of the Rules. State clearly 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 being detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case.

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?

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

" Donkey " " "

If not done, state for what reasons?

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?

Did Surveyor examine the Safety Valves of the Main Boiler?

To what pressure were they afterwards adjusted under steam?

Did Surveyor examine the Safety Valves of Donkey Boiler?

To what pressure were they afterwards adjusted under steam?

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

, and of the Donkey Boiler?

Did Surveyor examine the drain plugs of the Main Boilers?

, and of the Donkey Boiler?

Did Surveyor examine all the mountings of the Main Boilers?

, and of the Donkey Boiler?

Screw shaft now been drawn and examined?

Is it fitted with continuous liner?

or two liners?

or is it without liners?

Screw shaft now been changed?

If so, state reasons

Screw shaft now fitted new?

Has it a continuous liner?

or two liners?

or is it without liners?

What the distance between lignum vitae of stern bush and top of after bearing of screw shaft?

If survey is not complete state what arrangements have been made for its completion and what remains to be done?

This Steering Gear, which is of the Williams-Jamney Electric-Hydraulic type, has been surveyed during construction, & the materials & workmanship are sound & good. The four hydraulic cylinders were tested in my presence to a pressure of 2000 lbs per sq. in., & found tight & sound at that pressure. All connecting pipes which are of 2 1/2" bore 1/4" thick have been tested to 1000 lbs per sq. in. & found satisfactory. The forged steel trunnion blocks & the cast steel guide brackets have been subjected to the mechanical tests, prescribed by the Rules, with satisfactory results, report No. F. 392 herewith. On completion of erection the gear was subjected to a shop test & found satisfactory.

It is submitted that this Steering Gear is eligible to be fitted in a classed vessel.

General Observations, Opinion, and Recommendation:—

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.S. 9.11, or L.M.C. 9.11, 140 lb., E.D., &c.)

The above report is forwarded for the information of the Committee.

Survey Fee (per Section 25) £ 4 4 0

Fees applied for Monthly 1/2 Vickers Ltd.

Special Damage or Repair Fee (if any) £

(per Section 25.)

Travelling Expenses (if chargeable) £

Received by me,

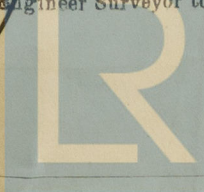
19 21

FRI. 6 JAN. 1922

Committee's Minute

Signed

John Houston
Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
Foundation

Wm Beadmore & Co
No 616
Steering Gear

E. E. - If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to flow through to the reverse side.

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THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

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