

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-Furness

Survey held at Barrow-in-Furness Date, First Survey 27th May 1921 Last Survey 15th Feb 1921
(No. of Visits 8)

on the Machinery of the Wood, Iron or Steel _____ Master _____

Gross _____ Net _____ 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 Steamers Port _____ Voyage _____

If Surveyed Afloat or in Dry Dock _____ (State name of Dock.)

Report No. _____ Port _____

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

Special 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 account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and as being detailed in the body of the report, should be briefly summarised at the end of the report. State also the date and initials of any letters respecting this case.

Where 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?

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

Where 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? _____

Has screw shaft now been drawn and examined? Is it fitted with continuous liner? _____ or two liners? _____ or is it without liners? _____

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

Has shaft now fitted new? Has it a continuous liner? _____ or two liners? _____ or is it without liners? _____

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

Where 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.: these, for example, B.S. 9.11, B.&N.S. 9.11, or L.M.C. 9.11, 140 lb., F.D., &c.)

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

Survey Fee (per Section 29) _____ £ 4 4 0 Fees applied for _____

Special Damage or Repair Fee (if any) _____ £ _____ Monthly fee _____

Travelling Expenses (if chargeable) _____ £ _____ Received by me, _____

Committee's Minute _____

Signature _____

John Houston
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 _____

003385-003390-0197

FRI. 6 JAN. 1922

Wm Beardmore & 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.

41619

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

Rpt.
Date
No. Reg.
Mas
Eng
Boil
Reg
Sha
TUR
Diam
Diam
Diam
Width
No. of
No. of
Thickn
PART
1ST EX
2ND
3RD
4TH
5TH
6TH
7TH
8TH
No. and
No. and
No. and
No. of B
Are all t
Are all
Are they
Are they
What pip
Are all
Are the
Is the Scr
BOILE
Total H
Working
Can each
each bott
Smallest
Thickness
long. seam
Per centag
Size of com
Length of
Working p
Pitch of sto
Material of
Material S
Diameter at
Thickness
Diameter of
Pitch across
thickness of
Working p
Thickness of
Working p

