

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

(Received at London Office) **FRID. SEP. 18 1920**

Date of writing Report *Sept 10* When handed in at Local Office *Sept 10* Port of *London*

No. in Book *2975* Survey held at *Birkenhead* Date, First Survey *Sept 10* Last Survey *Sept 15 1920*
 on the Machinery of the Wood, Iron or Steel *L.L. Yorkshire* Master *Harland + Wolff Ltd.*
 Gross *9220* Vessel built at *Belfast* By whom *Harland + Wolff Ltd.* When *1920*
 Net *5850* Engines made at *By whom* When *1920*
 Registered Horse Power of Main Boilers *Boilers, when made (Main) 1920. (Donkey)*
 of Donkey Boilers *Owners Betty Bros. & Co. Engin. Port Liverpool. Voyage*
 Main Boilers *If Surveyed Afloat or in Dry Dock* *Wark Float.* Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER.	Year Assigned.	Machinery and Boiler Surveys (including date of N.B., if any).
<i>100A1</i>		
<i>Shelb'dk.</i>		
<i>(Class contemplated)</i>		

Particulars of Examination and Repairs (if any)

Medical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature 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 sides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the names and 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?

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

Do. " " Donkey " " " "

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

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 Boiler?

Did the Surveyor examine the drain plugs of the Main Boilers? , and of the Donkey Boiler?

Did the 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?

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

RETAIN

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

If Survey is not complete state what arrangements have been made for its completion and what remains to be done? *The Emergency Oil Engine situated in the Poop deckhouse requires to be examined while under working conditions after alterations to the radiator and ventilating arrangements on the vessel's return to the U.K.*

Continuation of survey for P¹⁵ Entry + Sub 9.20. See Belfast Surveyors letter of September 30th 1920.

A casing has been fitted to the radiator fan of the Emergency Oil Engine in the Poop deckhouse with a view to improving its efficiency. The oil engine was tried under full working conditions and it was found that the arrangement was very little improved, the fan being inefficient and unable to expel the hot fumes, the temperature in the house being 110°F. The engine + dynamo were satisfactory.

As a temporary measure some portable ventilating fans will be placed in the house during the voyage, and, on return it is proposed to fit a

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

Submitted for the information of the Committee.

Survey Fee (per Section 28).....	£	:	:	Fees applied for
Special Damage or Repair Fee (if any).....	£	:	:	
Selling Expenses (if chargeable).....	£	:	:	
				Received by me,
				19

Committee's Minute *LIVERPOOL 17 SEP 1920*

Signed *Transmit to London.*

A. J. Bassett
 Engineer Surveyor to Lloyd's Register of Shipping.

FRID. SEP. 24 1920
TUE. DEC. 14 1920
WED. AUG. 23 1921

Lloyd's Register Foundation
 W480-0145
 W450-0146

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

