

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

Date of writing Report *March 15th 1899* When handed in at Local Office *March 15th 1899* (Received at London Office *THUR, 16 MAR 1899*)

No. in Reg. Book. *303* Survey held at *Aberdeen* Date, First Survey *Jan 31st 99* Last Survey *March 14th 1899*

on the Machinery of the *Wood, Iron or Steel* *S.S. "Glen Gelder"* Master *J. R. B. Smart*

Tonnage { Gross *446* Net *453* Vessel built at *Aberdeen* By whom *A. Hall & Co* When *1881-2*

Registered Horse Power *99* Engines made at *"* When *81*. Boilers, when made (Main) *1899* (Donkey) *1899*

No. of Main Boilers *one* Owners *J. Milne Junr (J. Cook & Son)* Port *Aberdeen* Voyage *Baltic*

No. of Donkey Boilers *two* If Surveyed Afloat or in Dry Dock *Afloat* (State name of Dock.)

Steam Pressure— in Main Boilers *140* in Donkey Boilers *100 lbs*

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Survey No. *Special No 2* Port *Aberdeen*

Particulars of Examination and Repairs (if any) *+ new Boiler + 100 A. 1.98*

(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.)

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? *Yes. When building*

Do. " " " " *Yes*

If this was not done, state for what reasons? *-*

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? *-*

Did the Surveyor examine the Safety Valves of the Main Boiler? *Yes* To what pressure were they afterwards adjusted under steam? *140*

Did the Surveyor examine the Safety Valves of Donkey Boiler? *Yes* To what pressure were they afterwards adjusted under steam? *100 lbs*

Has the propeller shaft been ~~examined~~ examined at this time? *Yes* If ~~propeller~~ propeller shaft fitted, state whether new? *New shaft*

State the distance between lignum vitae of stern bush and top of after bearing of screw shaft? *6"*

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? *Complete*

This vessel placed in dry dock & a new tail shaft & propeller fitted. The sea collar & valves & sea connections examined & found in order. The L.P. cylinder, piston & slide valve examined, also the pumps, all shafting, the condenser & engines generally overhauled & examined. All safety valves adjusted under steam to the above mentioned pressures.

a new main boiler with mountings complete fitted on board, a new H.P. cylinder, piston & slide valve fitted, this cylinder is now 19" dia to suit the increased pressure on the rods & shafting. for details of the latter see the accompanying First Entry Report.

The Boulton boiler examined & found in good order

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. 9.97, B.&M.S. 9.97 or L.M.C. 9.97, 140 lb., F.D., &c.)

This vessel's machinery appears to be in good order, eligible in my opinion to remain as classed, & to have notations of +L.M.C. 3.99 & +N.B. 3.99 recorded in the Reg. Book. Also to have the alteration to the dia. of the High Pressure cylinder and working pressure noted.

Office or Registration Fee (per Sec. 27)..... £ *3 10 0* Fees applied for *March 15th 1899*

Survey Fee per Section 28)..... £ *3 3*

Special Damage Fee (per Section 28)..... £ *3 3*

Travelling Expenses (if chargeable)..... £ *20/3 1899*

Received by me, *21.3.99 Maurice Robson*

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

*State if Certificate is required

Committee's Minute

Assigned *+ L.M.C. 3.99*
+ N.B. 3.99

New Main Engines now fitted
 Main & Donkey Boilers examined
 Screw shaft examined
 A new H.P. Cylinder now fitted
 Engines examined

It is submitted that
 this vessel is eligible for
THE RECORD. - 2.M.C. 3.99.

∴ N.B. 3.99 working
 Pressure 140 lbs to be noted
 H.S. 1456 0 psi
 G.S. 47 1/2 " " " " " "
 3.P.F.
 NHP =

AC#
 16.3.99.

N.B.—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 cause it to show through to the other side.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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