

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

(Received at London Office)

Date of writing Report 3rd January 1899 When handed in at Local Office 3rd January 1899 Port of Glasgow  
 No. in Reg. Book. 611 Survey held at Glasgow Date, First Survey 1898 Last Survey 31st Dec 1898  
 on the Machinery of the Wood, Iron or Steel S S Ching-Ho Master H C Harris  
 Tonnage Gross 3883 Net 2517 Vessel built at Belfast By whom Worshipmen Clark & Co Ltd When 1894 9  
 Registered Horse Power 298 Engines made at Belfast When 1894 Boilers, when made (Main) 1894 (Donkey) 1894  
 No. of Main Boilers 2 Owners China Mutual Steam Nav Co Ltd Port London Voyage China & Japan  
 No. of Donkey Boilers 1 If Surveyed Afloat or in Dry Dock Both Particulars of Classification which must be inserted precisely as in Register Book & Supplements.  
 Steam Pressure in Main Boilers 150 in Donkey Boilers 150 (State name of Dock.) Govan dry Docks Ltd

Last Survey No. \_\_\_\_\_ Port \_\_\_\_\_  
 Particulars of Examination and Repairs (if any) L M C.

(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.)

CHARACTER for Special Survey, Date of last Survey and of Periodical Surveys	Years Assigned and expired	Machinery and Boiler Surveys (including date of N.B., if any)
<u>100 A 1</u> <u>5-98</u>		<u>L M C</u> <u>9-94</u>

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes.  
 Do. " Donkey " No.  
 If this was not done, state for what reasons? Steam on donkey for cargo purposes.  
 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? 175 lbs per sq in  
 Did the Surveyor examine the Safety Valves of Donkey Boiler? No. To what pressure were they afterwards adjusted under steam? Not adjusted  
 Has the propeller shaft been drawn and examined at this time? No If spare propeller shaft fitted, state whether new? No  
 State the distance between lignum vitæ of stern bush and top of after bearing of screw shaft? 1/8" bare.

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? To complete the survey the donkey boiler requires to be examined and its safety valves adjusted this is to be done at Birkenhead in a few days time. The Surveyors at Liverpool have been notified.

The machinery was opened up and the following parts examined. Cylinders pistons slide valves all chafing (excepting propeller shaft) air, circulating, bilge, & feed pumps, and were found to be in good condition.

The main boilers, with their mountings, and safety valves, were opened up, examined, & found to be in good condition.

The propeller shaft was drawn in and a new stern tube fitted in May 1898. see Lt's report No 16110.

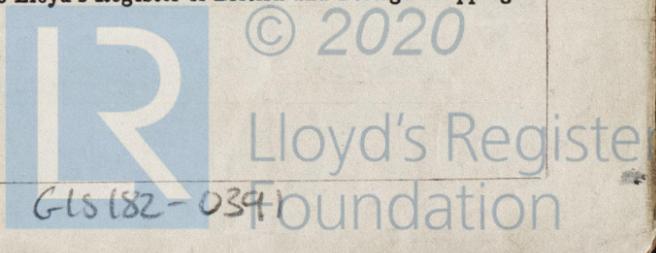
When this vessel was in dry dock the propeller & sea cock fastenings were examined, the sea cocks were opened up and examined & found to be in good order.

General Observations, Opinion, and Recommendation:— The machinery of this vessel so far as seen is in good condition and is eligible in our opinion to remain as classed in Register book with fresh record of L M C 12-98 when the survey is completed.

Office or Registration Fee (per Sec. 27) £ \_\_\_\_\_  
 Survey Fee (per Section 28) £ 5 10  
 Special Damage Fee (per Section 28) £ 4 19  
 Travelling Expenses (if chargeable) £ \_\_\_\_\_  
 Fees applied for 6 1 18 99  
 Received by me, 17 1 18 99

George Murdoch  
W M B Hamilton  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

State if Certificate is required \_\_\_\_\_  
 Committee's Minute TUES, 10 JAN 1899  
 Assigned Deferred FRI, 23 JUN 1899



The Surveyors are requested not to write on or below the space for Committee's Minute.

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

\*Certificate to be sent to

S. S. N<sup>o</sup> 1 due 9. 98 to be completed  
at Liverpool.

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.

Engines & Boilers examined

It is submitted that this vessel WILL BE eligible for the record. ∴ L.M.C. 12. 98 when the Donkey Boiler has been examined and its safety valves and the latter adjusted under steam.

A.C.H.  
7.1.99.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.