

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

Date of writing Report 28th March 93. When handed in at Local Office 18. Port of London

No. in Reg. Book. Survey held at London. Date, First Survey 11th Mar. Last Survey 28th May 1893

394 on the Machinery of the ~~Wood~~ Iron or Steel S.S. "Tongariro" Master E. Mayoss.

Tonnage Gross 4163 Net 2657 Vessel built at Glasgow By whom J. Elder & Co When 1883 8

Registered Horse Power 600 Engines made at Glasgow When 1883 Boilers, when made (Main) 1883 (Donkey) 1883

No. of Main Boilers Three Owners New Zealand Shipping Co. Ltd. Port London Voyage New Zealand

Steam Pressure in Main Boilers 110 If Surveyed Afloat or in Dry Dock Royal Albert drywet dk. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

in Donkey Boiler 100

Last Survey No. Port

Particulars of Examination and Repairs (if any) B.S. Condition

(Periodical Surveys, when held, must be reported in detail and serialim 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, now expired.	Machinery and Boiler Surveys (including date of N.B., if any).
100 A1 Spark dk. 10.93. S.S. Lon. 7-2-92.		L.M.C. 2.92

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

Do. " Donkey " " " Yes

If this was not done, state for what reasons? none.

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? Yes

Did the Surveyor examine the Safety Valves of the Main Boiler? 103 lbs.

At what pressure were they afterwards adjusted under steam? Yes.

Did the Surveyor examine the Safety Valves of Donkey Boiler? 96 lbs.

To what pressure were they afterwards adjusted? Complete.

If the Survey is not complete state what arrangements have been made for its completion? Complete.

While this vessel was in dry dock the sea connections, propeller, and its fastenings were examined and found in good condition. -

The three main boilers and Donkey boiler were examined internally and externally also all the Mn. & Donkey boiler safety valves - the valves being subsequently adjusted to the above pressures. A patch was fitted on the front circumferential seam of the Donkey boiler, in way of one of the br. mountings, where the shell was thin through corrosion.

General Observations, Opinion, and Recommendation: - This vessel's machinery is in safe working condition, eligible, in my opinion, to remain as classed and to have record of survey B.S. 3.93.

(State clearly what alteration, if any, is suggested to be made in the existing classification and notification of the vessel's machinery in the Register Book, consequent upon this survey: thus, for example, B.S. 2.02, B.&N.S. 2.02 or L.M.C. 2.02, as the case may be.)

Office or Registration Fee (per Sec. 27)	Survey Fee (per Section 28)	Special Damage Fee (per Section 28)	Travelling Expenses (if chargeable)
£ : :	£ 2 - 10 - 0	£ : :	£ : :

Fees applied for 29 MAR 1893

Received by me, 2/5/93 R. Elliott.

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

*State if Certificate is required

Committee's Minute THURS. 30 MAR 1893

Assigned B.S. 3.93

Lloyd's Register Foundation LON 598-0321

It is submitted that
this vessel is eligible for
THE RECORD 12.3.93

CH

12.3.93

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THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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