

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

TUES. MAY 5 1896

(Received at London Office)

Date of writing Report 2<sup>nd</sup> May 96 When handed in at Local Office 18 Port of London  
No. in Reg. Book. 420 Survey held at London Date, First Survey 9 Apl Last Survey 28<sup>th</sup> April 1896  
on the Machinery of the Wood, Iron or Steel S. S. "Tongararo" Master J. Mayors  
Tonnage { Gross 4163 Net 2657 Vessel built at Glasgow By whom J. Elder & Co When 1883 Boilers, when made (Main) 1883 (Donkey) 1883  
Registered Horse Power 574 Engines made at Do Owners New Zealand Shipping Co Port London Voyage New Zealand  
No. of Main Boilers 3 If Surveyed Afloat in Dry Dock Royal Albert wet & dry docks Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).  
No. of Donkey Boilers 1 Steam Pressure— in Main Boilers 100 in Donkey Boilers 100

Last Survey No. Port  
Particulars of Examination and Repairs (if any) S. S. No 3

(Periodical Surveys, when held, must be reported in detail and seriatim 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  
Do. " Donkey " " " 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  
At what pressure were they afterwards adjusted under steam? 100 lbs.  
Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes  
To what pressure were they afterwards adjusted? 83 lbs.  
Has the propeller shaft been drawn and examined at this time? No. Exd. 5.95.  
If the Survey is not complete state what arrangements have been made for its completion? Complete.

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).
<u>100 Al.</u> <u>Spar dk.</u> <u>5.95.</u> <u>S.S. Lon. No 2-92</u>		<u>L.M.C. 292</u> <u>B.S. 5.95.</u>

Vessel placed in dry dock. all sea & bilge cocks & valves exd. all cylinders, pistons, slide-valves, pumps, condenser, main, thrust & tunnel shafting examined. Propeller & its fastenings examined. The Main & Donkey boilers exd. internally & externally, also their safety valves and the latter adjusted under steam to above pressure.

General Observations, Opinion, and Recommendation:— This vessel's machinery is now in safe working condition and the vessel is eligible, in my opinion, to remain as classed with record of survey L.M.C. 4.96

Office or Registration Fee (per Sec. 27)..... £ : :  
Survey Fee (per Section 28)..... £ 5 : 10 : 0  
Special Damage Fee (per Section 28)..... £ 0 : 11 : 0  
Travelling Expenses (if chargeable)..... £ 4 : 19 : 0

Fees applied for 6/57/96  
Received by me, R. Elliott.  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

\*State if Certificate is required  
Committee's Minute FRI. MAY 8 1896  
Assigned + L.M.C. 4.96  
FRI. 18 SEP 1896  
FRI. 29 JAN 1897  
TUES 9 FEB 1897  
FRI. 9 JUL 1897  
FRI. 29 OCT 1897  
TUES. 14 DEC 1897  
Lloyd's Register Foundation  
London - 0007