

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

(Received at London Office)

1914

Date of writing Report 3/2/14 19 When handed in at Local Office 19 Port of AUCKLAND NZ
No. in Reg. Book Survey held at AUCKLAND Date, First Survey 27/1/14 Last Survey 7/2/14 19
199 on the Machinery of the Wood, Iron or Steel S.S. "KARORI" Master J. Mawson
Tonnage Gross 1863 Vessel built at STOCKTON By whom Craig Taylor & Co When 1902 2
Net 1194 Engines made at SUNDERLAND By whom N.E. Marine Eng. Co. Ltd. When 1902
Registered Horse Power 189 Boilers, when made (Main) 1902 (Donkey) 1902
of Main Boilers 2 Owners Union S.S. Coy. of New Zealand Ltd Port DUNEDIN Voyage Interstate
of Donkey Boilers 1 If Surveyed Afloat or in Dry Dock Both (Auckland)
Main Pressure 160 lbs (State name of Dock.)
Main Boilers 160 lbs
Donkey Boilers 80 lbs

Particulars of Examination and Repairs (if any)
Medical Surveys, when held, must be reported in detail and serially 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 repairs being detailed in the body of the report, should be briefly summarized at the end of the report. State also the date and initials of any letters respecting this case.

damage cases 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?
the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes
Do. " Donkey " " " Yes
his 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 these parts of each Boiler?
the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 160 lbs
the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? 80 lbs
the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes , and of the Donkey Boiler? Yes
the Surveyor examine the drain plugs of the Main Boilers? Yes , and of the Donkey Boiler? Yes
the Surveyor examine all the mountings of the Main Boilers? Yes , and of the Donkey Boiler? Yes
screw shaft now been drawn and examined? Yes Is it fitted with continuous liner? or two liners? 2 liners or is it without liners?
shaft now been changed? No If so, state reasons
he shaft now fitted now? No Has it a continuous liner? or two liners? or is it without liners?
the distance between lignum vitae of stern bush and top of after bearing of screw shaft? Close working fit
the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete

SPECIAL SURVEY NO. 8
MACHINERY &c.: Crank, tunnel and screw shafting examined. NOTE. On third length of shafting from stern
land, there is a "reed" in bearing 4 1/2" long, running parallel to axis (fore and aft). This "reed" has
been marked at a former survey and is not extending. Pumps, connecting rods, valve spindles, link motion,
+ bilge injection
pistons, slide valves, piston valve, air, circulating, feed and bilge pumps, all examined and found in
out in good order and condition. 6 lignum vitae strips renewed in stern bush. There is a fracture
of screw shaft
in the coupling between two bolt holes, on centre line of bolt circle; the coupling has been re-inforced
by a band 1" thick and width of coupling. The bolt holes were not true, and were rimmed out and bolts
refitted.

BOILERS. Examined both inside and out, including safety, main stop, and auxiliary valves and cocks, also
mountings and test cocks, all found or put in good order and condition. All lagging removed for
survey and renewed Donkey Boiler. Examined inside and outside, together with all mountings &c.: and

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, R. & M.S. 9, 11, or L.M.C. 9, 11,
140 lb., F.D., &c.)
I recommend that the following alterations be made in the existing classification of this vessel's
machinery and boilers, consequent upon this survey viz:—B.S. 2, 14 and L.M.C. 2, 14

Char. C. Plunket
Surveyor to Lloyd's Register
AUCKLAND, N.Z.
Char. C. Plunket
Acting Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
Committee's Minute 1914
Assigned 1914
W1487-0135

S. S. 203 due 2.14 1917

It is submitted that
this vessel is eligible for
THE RECORD, + LMC, 2.17

5.2.17.

20.3.17

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all found or put in good order and condition. Safety valves of both main and donkey
boilers, adjusted.

MACHINERY &c: contd: All main and other inlets, cocks, and sea connections, and their
fastenings examined and found or put in good order. Screw shaft drawn for examination
stern tube, propeller and fastenings examined and found or put in good order and con-
dition.

OF THE SERVICES AND EQUIPMENT NOT TO BE GIVEN AROUND THIS MARCH.



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