

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

AUG -1 1940

(Received at London Office)

Date of writing Report 12/6/40 When handed in at Local Office 12/6/40 Port of SYDNEY, N.S.W.

No. in Survey held at SYDNEY, N.S.W. Date, First Survey 6/6/40 Last Survey 10/6/1940 (No. of Visits 2)

2397 on the Machinery of the Wood, Iron or Steel Trp. S.S. NIAGARA

Gross 13415 Vessel built at Clydebank By whom J. Brown &amp; Co. Ltd. When 1913-3

Net 7582 Engines made at Clydebank By whom J. Brown &amp; Co. Ltd. When 1913

Boilers, when made (Main) 1913 (Donkey) ✓

Owners Canadian Australasian Line Owners' Address (if not already recorded in Appendix to Register Book.)

Managers Port London Voyage

If Surveyed Afloat or in Dry Dock Afloat (State name of Dock.)

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

CHARACTER. For Special Survey Date of last Survey and of Periodical Surveys.

Machinery and Boiler Surveys (including date of N.B., if any)

100 A1 Shelter Hk with freeboard. 12.39.

SS Syd. 2nd 3-1.37.

Fitted for oil fuel 3.13 FP. above 150

MS. 5.36 BS. 11.38 TS(S) 8.39 CL

" (P) 2.38 " (C) 8.38

Present condition of funnel(s)

To what pressure were they afterwards adjusted under steam?

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and of the Donkey Boilers?

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Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

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Is electric light and/or power fitted? yes.

State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft

the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms?

the Survey is not complete, state what arrangements have been made for its completion and what remains to be done

To complete the 17.5. - all rule

requirements remain to be carried out except the examination of the following: - Starboard Main

Engines: - H.P., 17.5. and Forward 6.5. valves and chambers, H.P. and 17.5. cylinders, all crank shaft

journals and bearings, Thrust shaft journals and bearings. Starboard and Main feed pumps.

Now done: - Starboard Main Engine: - Crank shaft and thrust shaft journals

and bearings, bottom halves of all bearings removed, retapped and refitted. all

six crank shaft journals and forward and after thrust shaft journals and

bearings, examined. all now in good condition.

H.P. cylinders found out, liners, cross pistons and pistons rod examined and found

in good condition.

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, &amp;c.; thus, for example, R.S. 9.11, E.&amp;M.S. 9.11, L.H.C. 9.11, or

R.L.H.C. 140 lb., F.D., &amp;c.)

The machinery of this vessel, as far as seen, is now in good condition, eligible

for my opinion to remain as classed, and to have fresh record of 4 to 17.5.

17.5. with date, valid in the Register Book when the survey has been completed.

Fees applied for 12/6/40

Received by me, 19

Committee's Minute

Signed As now

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

W61-0144