

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office

23 NOV 1942

Date of Report 25/7/42.

Which Banded in at Local Office

Port of AUCKLAND, N.Z.

Survey held at Devonport & Auckland.

Date First Survey 14/5/42.

Last Survey 24/7/42.

(No. of Visits 12.)

on the Machinery of the ~~MASSACHUSETTS~~ Steel S.S. "KAIWARA".

Year Month.

Gross 3051.

Vessel built at Sunderland.

By whom J. Blumer & Co.

When 1919 - 7.

Net 1847.

Engines made at Sunderland.

By whom J. Dickinson & Sons, Ltd. When 1919.

Nominal 358.

Boilers, when made (Main) 1919.

(Donkey) ---

No. of Main Boilers 3.

Owners Union Steam Ship Co. N.Z. Ltd.

Owners' Address

(if not already recorded in Appendix to Register Book.)

Port WELLINGTON, N.Z. Voyage INTERCOLONIAL- or as Directed.

No. of Donkey Boilers ---

Managers " " " " " " " " " " " "

Port

Main Pressure 180. Lb.

If Surveyed Afloat or in Dry Dock BOTH - Calliope.

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

CHARACTER
as per Special Survey
Date of last Survey and of
Periodical SurveysMachinery and Boiler
Survey
(Including date of N.H. if any)

+100AL.

4-40. 5.41

+LMC. 4-40.

BS. 5/41.

T.S. N3-39.OL.

Docking Date, 5/41.

C.B. not felt

ssWln. No. 3-2, 36.

ssAuk. No. 1-40.

Last Report No.

Port

ANNUAL BOILER SURVEY-

Particulars of Examination and Repairs (if any) DOCKING & T.S.

Periodical Surveys, when held, must be reported in detail and written in the terms of the Rules. State clearly 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 taken account in the body of the report, should be briefly summarised at the end of the report. State also the date and the date of any letters respecting this case.

In 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?

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

State latest date of internal examination of each boiler. Port-14/5/42. Centre-1/7/42. Star-9/7/42.

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes.

To what pressure were they afterwards adjusted under steam? 180. Lb. - Govt. - Gauge.

Did the Surveyor examine the Safety Valves of Donkey Boiler? ---

To what pressure were they afterwards adjusted under steam? ---

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes.

and of the Donkey Boilers? ---

Did the Surveyor examine the drain plugs of the Main Boilers? ---

and of the Donkey Boilers? ---

Did the Surveyor examine all the mountings of the Main Boilers? Yes.

and of the Donkey Boilers? ---

Has the screw shaft now been drawn and examined? Yes.

Is it fitted with continuous liner? Yes.

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

Has shaft now been changed? No. If so, state reasons

Has the shaft now fitted been previously used? ---

Has it a continuous liner? ---

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

State date of examination of Screw Shaft 21/7/42/

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

Good Fit.

Engine parts, when referred to by numbers, should be counted from forward.

Is electric light and/or power fitted Light Only.

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? ---

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

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done COMPLETE: Examined Propeller, Screw -

Shaft, Stern Bush, Sea Connections & all Fastenings; fit of screw shaft verified; Condition good.

Boilers (3) - examined internally & externally. Boiler Mountings examined throughout & all found or put in good condition, afterwards tested under Steam & Safety Valves adjusted as above.

REPAIRS: - 4. plain & 3. stay tubes renewed; found leaking, 20. C.C. stay nuts renewed; found burnt.

2. fitted bolts in lieu rivets in the Port Butt Strap- of the Star. Boiler, a/c. finding 2.

rivets with heads breaking off under test (hammer). the rivets were drilled out, holes

faired & carefully examined for cracks, none found, boiler plate & straps in order, repairs

as above recommended and carried out to my entire satisfaction.

to MAIN ENGINES: - Crank Shaft Lifted, Main Bearings remetalled A/c. wear. condition now good.

Yes.
to
this
Office
please.

General Observations, Opinion, and Recommendation: This Machinery is now in good condition,

(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. 5/41, B.M.S. 5/41, & L.M.O. 5/41, or S.S. 140 Lb., F.S., &c.)

and eligible in my opinion to remain as classed, +LMC 4-40, with a fresh Record of BS. 5/42, and notation of Screw Shaft Seen - 7/42.

Certificate Issued:

Survey Fee (per Section 29) £12: 12 0.

Fees applied for

Special Damage or Repair Fee (if any) £ : :.

Received by me,

Night attendance - 2 : 2 0.

19

Travelling expenses (if chargeable) £ : :.

Committee's Minute

TUE 8 DEC 1942

Assigned

5.42

Engineer Surveyor to Lloyd's Register of Shipping.

L

Lloyd's Register
Foundation

W1145-0153

Is a Certificate required? If so, to be sent to