

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

(Received at London Office)

TUE. 7 MAR. 1921

of writing report 6 1 19 20 When handed in at Local Office 6. 1. 19 20 Port of Sydney N.S.W.

Survey held at Sydney N.S.W. Date, First Survey 27. 10. 20 Last Survey 24. 12. 1920 (No. of Visits 14.)

45. in the Machinery of the Wood, Iron or Steel T.S.S. "MARELLA" WANEHE Master Mortimer

Gross 707 Vessel built at Hamburg. By whom Reichert's Schiffe. When 1914.

Net 39.8 Engines made at Hamburg By whom " When 1914.

Power 716 Boilers, when made (Main) 1914 (Donkey)

Main Boilers 3 Owners Burns, Philp & Co. Ltd. Port London Voyage Singapore.

Donkey Boilers 1 If Surveyed Afloat or in Dry Dock Woolwich Dry. (State name of Dock.) Circular Quay.

Pressure 127

Donkey Boilers

Report to. Port. Particulars of Examination and Repairs (if any) Examined by Surveyors L.R.

Special Surveys, then held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature and extent of examinations and subsequent repairs. Repairs on damage to the hull, or to the machinery, should be separated from repairs due to other causes; and being detailed in the body of the report, should be briefly summarised at the end of the report. State also the date and initials of any letters respecting this case.

Where 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?

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

Donkey " " "

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 those parts of each Boiler?

Surveyor examine the Safety Valves of the Main Boiler?

Surveyor examine the Safety Valves of Donkey Boiler?

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

Surveyor examine the drain plugs of the Main Boilers?

Surveyor examine all the mountings of the Main Boilers?

How shaft, now been drawn and examined?

Is it fitted with continuous liner?

or two liners?

or is it without liners?

Shaft now been changed?

If so, state reasons

Has it a continuous liner?

or two liners?

or is it without liners?

Distance between lignum vitae of stern bush and top of after bearing of screw shaft?

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

Complete Special Survey now held, Section 48 of the Rules has been complied with.

This vessel placed in Dry Dock both Propeller Shafts drawn

examined and found good. Propellers good Sea Cocks and

valves examined good. Discharges good. Cylinders Pistons

Valves Pumps Condensers Pipes and Roses examined and

all found good Crank Shafts Thrusts and Tunnel Shafting

exposed and found in good Condition. Arrangement

of Valves and piping examined and found in order

except the fact that no Independent Donkey Bilge

Suctions were fitted; Two 3 1/2" direct Bilge Suctions now

fitted one on Port and one on Starboard Side each to

General Observations, Opinion, and Recommendation:— The Engines & Boilers

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, B.&M.S. 9, 11, or L.M.C. 9, 11,

140 lb., F.D., &c.)

of this vessel, which was classed in another Register

has now been Surveyed by the Surveyors to Lloyd's

Register; with a view to classification in Lloyd's Register

of this vessel, which was classed in another Register

has now been Surveyed by the Surveyors to Lloyd's

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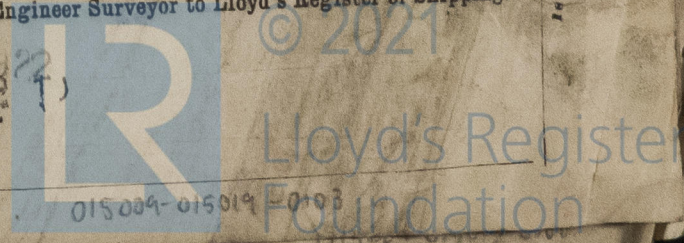
Fee (per Section 25)	£ 16: 16: -	Fees applied for
Damage or Repair Fee (if any)	£ : : -	8. 1. 19 21
Working Expenses (if chargeable)	£ : : -	Received by me,
		19

Committee's Minute FRI. 4 MAR. 1921

Signed Syd 12.2.21

A.C. Heron.
Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 10 FEB. 1922
FRI. MAY. 19 1922
TUE. 28 FEB. 1922



Insert Character of Ship and Machinery precisely as in the Register Book.

is a Certificate required, if so, to be sent to

a Separate Donkey Pump. Two Evaporators are fitted each having one Safety Valve $2\frac{3}{32}$ " diameter; each has now been fitted with a reducing nozzle in the Steam Supply Pipe and Safety valves ~~on each~~ seen blowing freely at 18 lbs per square inch. Main Boilers three in number double ended examined throughout in and out in conjunction with a Board of Navigation Surveyor. Safety, Stop, Feeds and all mountings examined, Manhole doors seen a good fit in place. At some previous time Electric welding has been done in ~~head ends~~ Saddle corners, tube plates and furnace bands, all are now in good condition. The Centre Combustion Chamber tops in each Main Boiler were fitted with two girders which did not meet Rule Requirements, and in each Main Boiler an Centre top C. Chambers two extra girders have been seen satisfactorily fitted. Range of Main Steam Pipes examined, Mild Steel with expansion joints and stop Valves well anchored. Boilers are well stayed and securely fitted in vessel, and the workmanship on Boilers appears of good quality. Main Boilers seen under steam sound and tight and Safety Valves blowing at 227 lbs per square inch.

A First Entry Report with Plan of Main Boilers Pumping Plan and Particulars with a view to classification will be forwarded for your consideration at an early date.

I learn that this vessels Engines and Boilers were Surveyed by Mr B.T. Surveyors at London October 1919.

A.C.H.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

N.B. - If this Report is copied by Copying Press, special care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

It is submitted the notation recommended on the hull be assigned.

12.20

W.D.
12/20



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