

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

JUL 24 1940

(Received at London Office)

Date of writing Report 6/6/ 19 40. When handed in at Local Office 6<sup>th</sup> June 1940 Port of Kobe.

No. in Survey held at Tama. Date, First Survey 21/5/40 Last Survey 29/5/1940.  
 Reg. Book. 27944 on the Machinery of the ~~Wooden~~ Steel s/s "KOYU MARU". (No. of Visits Three.)

Tonnage { Gross 5325 Vessel built at Kobe. By whom Mitsubishi Zosen K.K. When 1921 7mo.  
 Net 3294 Engines made at Kobe. By whom Mitsubishi Zosen K.K. When 1921.

Nominal Horse Power { 496 NHP Boilers, when made (Main) 1921 (Donkey) --  
 No. of Main Boilers 3 SB Owners Hiroumi Syozi Kabusiki Kaisya. Owners' Address  
 (if not already recorded in Appendix to Register Book.)  
 No. of Donkey Boilers -- Managers Port Kobe. Voyage  
 Steam Pressure in Main Boilers 200 lbs. If Surveyed Afloat or in Dry Dock Both  
 in Donkey Boilers -- (State name of Dock.) Tama Dock.

Last Report No. \_\_\_\_\_ Port \_\_\_\_\_  
 Particulars of Examination and Repairs (if any) LMC

(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.)

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.

" " Donkey " " " " --

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 May 1940. Present condition of funnel(s) Good.

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes. To what pressure were they afterwards adjusted under steam? 200 lbs.

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 Boiler? --

Did the Surveyor examine all the mountings of the Main Boilers? Yes. , and of the Donkey Boiler? --

Has screw shaft now been drawn and examined? No Is it fitted with continuous liner? -- Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? --

Has shaft now been changed? -- 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 -- State the distance between lignum vitae ~~of stern bush~~ of stern bush and top of after bearing of screw shaft 3 m/m.

Engine parts, when referred to by numbers, should be counted from forward. Is electric light ~~fitted~~ fitted? Yes.

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

**NOW DONE:-** Vessel placed in dry dock, propeller, aft end of stern bush, sea cocks and valves with their shell fastenings examined and found or now placed in good condition.

All cylinders, pistons, valves and rods, crank, thrust and intermediate shafting, condenser, pumps, piping and pumping arrangements examined and found or now placed in good condition.

The 3 Main Boilers were examined over all parts with doors, mountings and safety valves and found or now placed in good condition. Safety valves adjusted under steam as stated above.

**REPAIRS DUE TO WEAR AND TEAR:-**

Main Engine - H.P. slide valve rings - renewed.

H.P. ahead guide shoe and L.P. bottom end brasses, - remetalled.

Other minor repairs and adjustments effected.

**General Observations, Opinion, and Recommendation:-** The machinery and boilers of this vessel

(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, L.M.C. 9,11, or CS 3,34, 140 lb., F.D., &c.)

are in good condition and eligible, in my opinion, to be continued as classed with fresh record of

**LMC. 5, 40.**

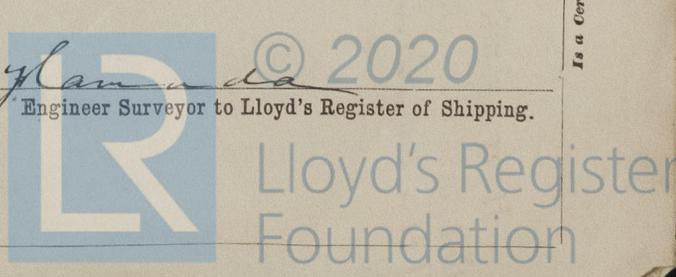
Survey Fee (per Section 29) Yen 225:00 Fees applied for 31/5/1940

Special Damage or Repair Fee (if any) £ --: -- (per Section 29.)

Travelling expenses (if chargeable) (See Hull Report). Received by me, Y. Yamada

Committee's Minute TUE: 30 JUL 1940 Engineer Surveyor to Lloyd's Register of Shipping.

Assigned + Lmb. 5.40



The Surveyors are requested not to write on or below the space for Committee's Minute.

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

BS due 4.40 held.  
Engines also examined.

It is submitted that  
this vessel is eligible for  
**THE RECORD.** + LMC 5-40.

L  
26/7/60.



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