

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

(Received at London Office, 13th Feb. 1941)

Date of writing Report 13th Feb. 1941, When handed in at Local Office 13th Feb. 1941. Port of YOKOHAMA  
 No. in Survey held at YOKOHAMA Date, First Survey 24th Jan. 1941 Last Survey 13th Feb. 1941  
 g. Book. 3475 on the Machinery of the Wood, Iron or Steel Sc.S. "DURBAN MARU" (No. of Visits Three)

Year. Month.  
 Tonnage { Gross 7164 Vessel built at Nagasaki By whom Mitsubishi Zosen K. Id. When 1919-11  
 Net 4383 Engines made at Nagasaki By whom Mitsubishi Zosen K. Id. When 1919  
 Nominal Horse Power 574 Boilers, when made (Main) 1919 (Donkey) X  
 No. of Main Boilers 3SB Owners Nippon Yusen K.K. Owners' Address X  
 (if not already recorded in Appendix to Register Book.)  
 No. of Donkey Boilers X Managers X Port Tokyo Voyage X  
 Steam Pressure in Main Boilers 200 lbs. If Surveyed Afloat or in Dry Dock Both. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).  
 in Donkey Boilers X (State name of Dock.) Isaab Dock.

Last Report No. \_\_\_\_\_ Port \_\_\_\_\_

Particulars of Examination and Repairs (if any) BS & part Machy 100A1 Shelter dk IMC1-40  
 with feeboard TS(CL) 12-38  
 1-40  
 ssYka.No.3-12,31  
 ssYka.No.2-40

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 X

Was a damage report made by anyone else? If so, by whom? X

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

" " Donkey " " " " X

If this was not done, state for what reasons? X

And what parts of the Boilers could not be thus thoroughly examined? X

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? X

State latest date of internal examination of each boiler No.1(S) 29/1/41. Nos.2&3(C.&P) 24/1/41. Present condition of funnel 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? X To what pressure were they afterwards adjusted under steam? X

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

Did the Surveyor examine the drain plugs of the Main Boilers? X, and of the Donkey Boilers? X

Did the Surveyor examine all the mountings of the Main Boilers? Yes, and of the Donkey Boilers? X

Has screw shaft now been drawn and examined? X Is it fitted with continuous liner? X Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? X

Has shaft now been changed? X If so, state reasons X Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? X

Has the shaft now fitted been previously used? X Has it a continuous liner? X Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? X

State date of examination of Screw Shaft X State the distance between lignum vite or bearing metal of stern bush and top of after bearing of screw shaft 3/32"  
 Engine parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted? X

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

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

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 in good condition.

The Three 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.

The following machinery parts opened up by the Owners, examined as far as practicable, All cylinders, slide valve casings, crank, thrust and intermediate shafting,

condenser, air pump and group valves, centrifugal pump, bilge pump examined and found in good condition.

Interim Certificate issued- copy attached.

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. 0,11, B.&M.S. 0,11, \*L.M.C. 0,11, or \*L.M.C. 140 lb., F.D., &c.)

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

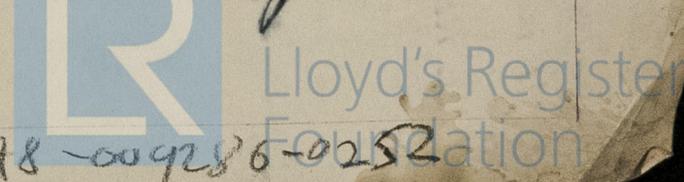
B.S. 2-41.

Survey Fee (per Section 28)..... ¥ 150.00 Fees applied for 13-2-1941.  
 Special Damage or Repair Fee (if any)..... £ X Received by me, \_\_\_\_\_  
 (per Section 29.)  
 Travelling expenses (if chargeable)..... ¥ 5.00 \_\_\_\_\_

Committee's Minute FRI. 9 MAY 1941

Assigned 2-41

*M. Ishiguro*  
 Engineer Surveyor to Lloyd's Register of Shipping.



009278-009286-0252

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

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

BS due 1.41 held,  
Machinery also examined.

It is submitted that  
this vessel is eligible for  
THE RECORD, BS 2.41.

24  
4/5/41.



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