

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

(Received at London Office

21 MAY 1951

Date of writing Report 10th May 19... When handed in at Local Office 19... Port of KOBE

No. in Survey held at Innoshima Date. First Survey 11th Feb. Last Survey 6th Mar. 1951.

0385 on the Machinery of the ~~Wakabayashi~~ Steel Single Screw Steamer "FUKUEI MARU" (No. of Visits 5)

Gross 1843 Vessel built at Osaka By whom Osaka Zosensho When 1938  
 Net 1091 Engines made at Osaka By whom Kubota Iron Works When ----  
 Nominal Power ---- Boilers, when made (Main) (Donkey) ----  
 of Main Boilers ---- Owners Nitto Shosen K.K. Owners' Address ----  
 of Donkey Boilers ---- (if not already recorded in Appendix to Register Book.)  
 Main Pressure ---- Managers Port Tokyo Voyage  
 Main Boilers ---- If Surveyed Afloat or in Dry Dock Both  
 Donkey Boilers ---- (State name of Dock) Innoshima

Report No. --- Port ---

Particulars of Examination and Repairs (if any) Classification  
 Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, if any, 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.

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

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

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

" " Donkey " " No Donkey Boilers

st, state for what reasons? What parts of the Boilers could not be thus thoroughly examined?

t 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?

e latest date of internal examination of each boiler 15-2-51 Present condition of funnel Good

the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 202 lbs/sq. in

the Surveyor examine the Safety Valves of the Donkey Boilers? To what pressure were they afterwards adjusted under steam?

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

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

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

the screw shaft now been drawn and examined? Yes Has it a continuous liner? Yes Is an approved oil retaining appliance fitted at the after end? No

shaft now been changed? No If so, state reasons Has the shaft now fitted been previously used? Has it a continuous liner?

a approved oil retaining appliance fitted at the after end? State date of examination of Screw Shaft 15-2-51 State the wear down in the

ern bush 2 m/m Is electric light and/or power fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

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

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

All Rules' requirements for Classification of Ships not built under Survey have now been carried out as follows:-

Now Done:- Vessel placed in drydock, propeller, sea connections and their fastenings, examined and found in good condition. Screw shaft (C.L.) drawn in, examined and found in good condition. Main Engine H.P. M.P. and L.P. Cylinders, pistons, valves, rods and crank, thrust and intermediate shafting, condenser (tested) and all pumps, valves, cocks, pipes, strainers and pumping arrangements, examined and found or now placed in good condition. Electrical equipment examined and tested as required by the Rules and found or now placed in good condition. The 2 Main boilers examined internally and externally, together with mountings, doors and fastenings and found or now placed in good condition. The boilers were subjected to the hydraulic test to 1.1 times W.P. and found sound and tight. Safety valves adjusted under steam and accumulation test carried out to the above pressure. P.T.O.

General Observations, Opinion, and Recommendation:- The Machinery of this vessel, is in good and efficient condition and is eligible in my opinion to be worthy of the Classification Contemplated with record of M.C. 3,51 and Screw Shaft (C.L.) seen 2,51, subject to spare propeller blades being supplied.

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Survey Fee (per Section 29) £ 80,640 Fees applied for  
 Electrical 24,192  
 Special Damage or Repair Fee (if any) £ 10,080 Received by me,  
 (per Section 29.) SCREW SHAFT  
 Travelling expenses (if chargeable) £ 10,720

Committee's Minute TUES. 24 JUL 1951

Signed See F.E. mchly rpt.

Engineer Surveyor to Lloyd's Register of Shipping.

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Steam and feed pipes removed, examined and tested by hydraulic pressure to 2 times W.P. and found sound and tight.

Spare gears checked and found to be in accordance with the Rules requirements except 2 prop blades are not supplied at this time.

NOTE:- The Owners were informed and promised spare blades be supplied within six (6) months.

Repairs:- M.P. slide valve rings renewed.

Centrifugal circulating pump, top casing renewed.

L.P. cylinder, top inside rib and bottom outside rib slightly <sup>CRACKED</sup> ~~cooked~~, and now stop, hole drilled at ends.

Port boiler:- Center furnace connection to combustion chamber grooved, groove cut out and electric welded.

6 small stays renewed.

Surface blow, top and bottom gauge glass cocks renewed.

Starbd. boiler:- Center furnace connection to combustion chamber grooved, grove cut out and electric welded.

10 small stays and one stay tube renewed.

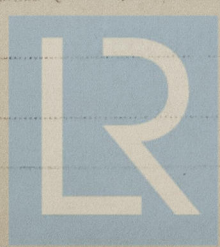
Surface blow, top and bottom gauge glass cocks renewed.

Other minor repairs effected.

All particulars indicated by the Secretary's letter dated 1/2/50 were checked and found in and all recommendation have now been carried out to my satisfaction.

1st Entry report No. 14 and copy of Interim Certificate issued attached

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