

REPORT ON BOILERS.

No. 2411
FRI. - 7 MAR. 1919

Received at London Office

of writing Report 1st Jan 1918 When handed in at Local Office 191 Port of Kobe

No. in Survey held at Kobe Date, First Survey 12 May 1917 Last Survey 21st Novem 1918

g. Book. on the Steel Single Screw Steamer "Hofuku Maru" (Number of Visits 20) Gross Tons } Net

ster Built at Kobe By whom built Kawasaki Dry Dock Co Ltd When built 1918

gines made at Kobe By whom made The Kawasaki Dry Dock Co Ltd When made 1918

ilers made at do By whom made do When made do

gistered Horse Power 440 Owners do Port belonging to Kobe

ULTITUBULAR BOILERS ~~MAIN~~, AUXILIARY OR DONKEY. — Manufacturers of Steel Alan Wood, S.H.C. Leeds Forge.

etter for record S) Total Heating Surface of Boilers 1132 Is forced draft fitted Yes No. and Description of

ilers One S.E. Working Pressure 200^{lbs} Tested by hydraulic pressure to 400^{lbs} Date of test 5/10/17

of Certificate Lloyd's Hyd Test Can each boiler be worked separately Yes Area of fire grate in each boiler 33^{sq} No. and Description of

fety valves to each boiler Two Spring loaded Area of each valve 5.93^{sq} Pressure to which they are adjusted 205^{lbs}

re they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

allest distance between boilers or uptakes and bunkers or woodwork 18ⁱⁿ Mean dia. of boilers 10ⁱⁿ Length 10.6^{ft}

aterial of shell plates Steel Thickness 1ⁱⁿ Range of tensile strength 28 to 32^{tons} Are the shell plates welded or flanged No

escrip. of riveting: cir. seams Double riv. long. seams Triple riv. Ship Diameter of rivet holes in long. seams 1¹/₁₆ Pitch of rivets 6²⁹/₃₂ + 3²⁹/₆₄

width of butt straps 14¹/₂ x 1ⁱⁿ Per centages of strength of longitudinal joint rivets 95.2 plate 84.6 Working pressure of shell by

les 200^{lbs} Size of manhole in shell 12ⁱⁿ x 16ⁱⁿ Size of compensating ring (4ⁱⁿ + flange) x 1ⁱⁿ No. and Description of Furnaces in each

iller Two Morrison's Material Steel Outside diameter 40ⁱⁿ Length of plain part top bottom Thickness of plates crown bottom 9ⁱⁿ/₁₆

escription of longitudinal joint Weld No. of strengthening rings Working pressure of furnace by the rules 223^{lbs} Combustion chamber

ates: Material Steel Thickness: Sides 5ⁱⁿ/₈ Back 5ⁱⁿ/₈ Top 5ⁱⁿ/₈ Bottom 3ⁱⁿ/₄ Pitch of stays to ditto: Sides 7ⁱⁿ x 8ⁱⁿ/₂ Back 7ⁱⁿ/₁₆ x 8ⁱⁿ/₂

op 7 x 8 If stays are fitted with nuts or riveted heads Nuts in C.C. Working pressure by rules 204^{lbs} Material of stays Steel Area at

allest part 1.78^{sq} Area supported by each stay 66^{sq} Working pressure by rules 242^{lbs} End plates in steam space: Material Steel Thickness 7ⁱⁿ/₈

itch of stays 15ⁱⁿ/₄ x 14ⁱⁿ/₂ How are stays secured Double nuts Working pressure by rules 202^{lbs} Material of stays Steel Area at smallest part 5.27^{sq}

rea supported by each stay 15ⁱⁿ/₄ x 14ⁱⁿ/₂ Working pressure by rules 238^{lbs} Material of Front plates at bottom Steel Thickness 3ⁱⁿ/₄ Material of

ower back plate Steel Thickness 3ⁱⁿ/₄ Greatest nitch of stays 13ⁱⁿ/₂ at ends Working pressure of plate by rules 200^{lbs} Diameter of tubes 3ⁱⁿ/₄

itch of tubes 4ⁱⁿ Material of tube plates Steel Thickness: Front 7ⁱⁿ/₈ Back 3ⁱⁿ/₄ Mean pitch of stays 8ⁱⁿ/₄ Pitch across wide

ter spaces 13ⁱⁿ/₄ double 5ⁱⁿ/₈ Working pressures by rules 200^{lbs} Girders to Chamber tops: Material Steel Depth and thickness of

der at centre 8ⁱⁿ x 13ⁱⁿ/₁₆ (two) Length as per rule 27ⁱⁿ Distance apart 8ⁱⁿ Number and pitch of Stays in each 3 @ 7ⁱⁿ

orking pressure by rules 256^{lbs} Steam dome: description of joint to shell % of strength of joint

diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

itch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

PERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

le of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,
Per. *[Signature]* Manufacturer.
Secretary.

Dates During progress of 12.18.26 May. 1.6.22 June. 13.23.31 July Is the approved plan of boiler forwarded herewith

Survey work in shops - - 2.15.23 Aug. 3.14.19 Sept. 5 Oct 1917

while During erection on board vessel - - 5.11.19.21 Nov. 1918 Total No. of visits 20.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This auxiliary boiler has been made & fitted under Special Survey in accordance with the Rules & the materials & workmanship are good.

The vessel is in my opinion eligible for the record One S.E. Aux Blr. 200 lbs.

Survey Fee Included in Maching 1st £ : : When applied for, 191

Travelling Expenses (if any) £ : : When received, 191

Committee's Minute TUE. 11 MAR. 1919

Assigned See first entry attached

Engineer-Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

009721-009724-0146