

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 Nov 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 & Ship Repair Co Ltd When built 1918

ines made at Kobe By whom made The Kawasaki Dry Dock & Ship Repair Co Ltd yard No 423 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.L.C. Leeds Eng.

etter for record S) Total Heating Surface of Boilers 1132 Is forced draft fitted Yes No. and Description of Boilers One S.S. 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 Safety valves to each boiler Two Spring loaded Area of each valve 5.93^{sq} Pressure to which they are adjusted 205^{lbs} Are 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 18" Mean dia. of boilers 10' 10" Length 10' 6"

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

escrip. of riveting: cir. seams Drub. riv. long. seams Drub. riv. Shp. Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 29/32 + 3 29/64

width of butt straps 14 1/2 x 1" Per centages of strength of longitudinal joint 95.2 Working pressure of shell by rules 84.6

les 200 lbs Size of manhole in shell 12" x 16" Size of compensating ring (7/4 + flange) x 1" No. and Description of Furnaces in each boiler Two Morrison's Material Steel Outside diameter 40 1/4" Length of plain part all round Thickness of plates 9/16"

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 5/8" Back 5/8" Top 5/8" Bottom 3/4" Pitch of stays to ditto: Sides 7 x 8 1/2" Back 7 13/16 x 8 3/8"

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 smallest 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 7/8"

itch of stays 15 1/4 x 14 1/2" How are stays secured Drub. nuts Working pressure by rules 202^{lbs} Material of stays Steel Area at smallest part 5.27^{sq}

rea supported by each stay 15 1/4 x 14 1/2" Working pressure by rules 238^{lbs} Material of Front plates at bottom Steel Thickness 3/4" Material of lower back plate Steel Thickness 3/4" Greatest nitch of stays 13 1/2 at ends Working pressure of plate by rules 200^{lbs} Diameter of tubes 3 1/4"

itch of tubes 4 3/8" Material of tube plates Steel Thickness: Front 7/8" Back 3/4" Mean pitch of stays 8 3/4" Pitch across wide water spaces 13 3/4 Working pressures by rules 200 lbs Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 8 x 13/16 (two) Length as per rule 27" Distance apart 8" Number and pitch of Stays in each 3 @ 7"

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

UPERHEATER. 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,
KAWASAKI Manufacturer.
Per. [Signature] 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 } 5.11.19.21 Nov. 1918. }
 building } board vessel - - - } 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 next One S.S. Ass Blr. 200 lbs.

Survey Fee Included in Mocha 1st fee £ _____ When applied for, _____ 191 _____

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

Committee's Minute _____

Assigned See first entry attached

Arthur L. Jones 2021
 Engineer-Surveyor to Lloyd's Register of Shipping.
 Lloyd's Register Foundation
 009721-009729-0146

TUE. 11 MAR. 1919