

REPORT ON BOILERS.

No. 2367

Received at London Office

of writing Report 17th Nov 1918 When handed in at Local Office 191 Port of Kobe WED. 5-FEB. 1919

o. in Survey held at Kobe Date, First Survey 3rd Aug 1917 Last Survey 4th Novem. 1918

7. Book. on the Single Screw Steel Steamer "Kifuku Maru" (No. 422) Tons } Gross 585 2
Net

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

ines made at Kobe By whom made Kawasaki Dry Dock Co. Ltd When made 1918

ilers made at do By whom made do When made do

gistered Horse Power 440 Owners The Kawasaki Dry Dock Co. Ltd Port belonging to Kobe

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Carnegie S. Co. Alan Wood S. Co.
+ Ludo Forge

etter for record S) Total Heating Surface of Boiler 1132^{sq} Is forced draft fitted Yes No. and Description of
ollers One Aux. S. E. Working Pressure 200^{lb} Tested by hydraulic pressure to 400^{lb} Date of test 1st Oct 1917

o. of Certificate 400 LBS 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^{lb}

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

smallest 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 28-32^{tons} Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams Double riv. long. seams Triple riv. ship Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 29/32, 3 29/32

ap of plates or width of butt straps 14 1/2 x 1" Per centages of strength of longitudinal joint rivets 95.2
plate 84.6 Working pressure of shell by

ules 200^{lb} Size of manhole in shell 12" x 16" Size of compensating ring (7 1/4 + flange) x 1" No. and Description of Furnaces in each
oiler 2 Morrison's Material Steel Outside diameter 40 1/4" Length of plain part top Thickness of plates crown 9 1/16"
bottom 9 1/16"

Description of longitudinal joint Weld No. of strengthening rings Working pressure of furnace by the rules 236^{lb} 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' 8 1/2" Back 7' 13/16" 8 1/8"

Top 7' x 8' If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 204 Material of stays Steel Area at
smallest part 1.78^{sq} Area supported by each stay 66^{sq} Working pressure by rules 242 End plates in steam space: Material Steel Thickness 7/8"

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

Area supported by each stay 15 1/4 x 14 1/2 Working pressure by rules 238 Material of Front plates at bottom Steel Thickness 3/4" Material of

Lower back plate Steel Thickness 3/4" Greatest pitch of stays 13 1/2 at ends Working pressure of plate by rules 200^{lb} Diameter of tubes 3 1/4"

Pitch of tubes 4 3/4 mean 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 double 5/8 Working pressures by rules 200^{lb} Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8 x 13/16 (2) Length as per rule 27" Distance apart 8" Number and pitch of Stays in each 3 @ 7"

Working pressure by rules 256^{lb} 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

Pitch 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

Date 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 Dockyard Co., Ltd., Manufacturer.

Per: [Signature] Secretary

Dates of Survey } During progress of } 3.20.27.28 Aug 8.12.14.19.26 Sept 1st Oct 1917 Is the approved plan of boiler forwarded with
while } work in shops - - -
building } During erection on } 10th Oct. 14 21st 25. 29 Oct 24th Nov. 1918 Total No. of visits 17
board vessel - - -

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

This boiler has been made & fitted in accordance with the Rules under Special
Survey & the materials & workmanship have been found good.
The vessel is eligible in my opinion for the second Aux. S. E. Boiler 200^{lb}.

Survey Fee Included in 1st E. Machy When applied for, 191

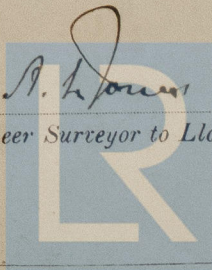
Travelling Expenses (if any) £ : fu: When received, 191

Committee's Minute

Assigned

FRI. 7-FEB. 1919

Engineer Surveyor to Lloyd's Register of Shipping.



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Foundation

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