

REPORT ON BOILERS.

No. 2528

Received at London Office

WED. 6 - AUG. 1919

Date of writing Report 1919 When handed in at Local Office 1919 Port of Kobe
 To. in Survey held at Kobe Date, First Survey 28 Dec. 1918 Last Survey 29 April 1919
 on the Steel Single Screw Steamer "Glasgow Maru" (Number of Visits 10) Gross Tons Net Tons
 Built at Kobe By whom built The Kawasaki Dockyard Co. Ltd. When built 1919
 By whom made The Kawasaki Dockyard Co. Ltd. When made 1919
 Owners The Kawasaki Kisen Kabushiki Kaisha Port belonging to Kobe

WATER-TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Union Steel Co. Amer. Special Tube Co.

Matter for record S. Total Heating Surface of Boilers 11320 Is forced draft fitted yes No. and Description of Boilers One S. & Aux. Boiler Working Pressure 200 lbs Tested by hydraulic pressure to 400 lbs Date of test 28/2/19
 Remarks: LLOYD'S TEST of Certificate 400 LBS. Each boiler be worked separately Area of fire grate in each boiler 330 No. and Description of Safety valves to each boiler Two Direct Spring Area of each valve 5.93 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 yes
 Smallest distance between boilers or uptakes and bunkers or woodwork 18" Mean dia. of boilers 10' 10" Length 10' 6"
 Material of shell plates Steel Thickness 1" Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged no
 Description of riveting: cir. seams Double rivet long. seams Double straps Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 3/32" + 3 29/64"
 Width of plates or width of butt straps 14 1/2" x 1" Per centages of strength of longitudinal joint rivets 95.2 Working pressure of shell by rules 84.6
 Working pressure 200 lbs Size of manhole in shell 12" x 16" Size of compensating ring (1 1/4" + flange) 1" No. and Description of Furnaces in each boiler Two Morrison Material Steel Outside diameter 40 1/4" Length of plain part Thickness of plates crown 9" bottom 16"
 Description of longitudinal joint Weld No. of strengthening rings Working pressure of furnace by the rules 236 lbs Combustion chamber plates: 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 4 13/16 x 8 1/8"
 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 204 lbs Material of stays Steel Area at smallest part 1.78 Area supported by each stay 66 Working pressure by rules 242 lbs End plates in steam space: Material Steel Thickness 7/8"
 How are stays secured Double nuts Working pressure by rules 202 lbs Material of stays Steel Area at smallest part 5.27
 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 pitch of stays 13 1/2" at Wide Working pressure of plate by rules 200 lbs Diameter of tubes 3 1/4"
 Material of tube plates Steel Thickness: Front 7/8" Back 3/4" Mean pitch of stays 8 3/4" Pitch across wide spaces 13 3/4" double 5/8" 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 @ 4"
 Working 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
 Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

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

VERTICAL DONKEY BOILER—

No. Description Manufacturers of steel
 Made at By whom made When made Where fixed Working pressure
 Tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves
 No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can enter the donkey boiler
 Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile strength
 Description of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets
 Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates
 Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace
 Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown plates
 Radius of do. Stayed by Diameter of uptake Thickness of uptake plates
 Thickness of water tubes

Kawasaki Dockyard Co., Ltd.
 The foregoing is a correct description,
 Per: J. Nakayama Manufacturer.
 Secretary.

Dates During progress of work in shops - - - 28 Dec 1918 5, 10, 12, 20, 28 Feb 1919
 Survey while building - - - 12, 16, 24, 29 April 1919
 Total No. of visits 10

Is the approved plan of main boiler forwarded herewith yes
 " " " donkey " "

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

This boiler has been made & fitted under Special Survey. The Rules have been complied with & the materials & workmanship found good. The vessel is eligible, it is submitted, for the record I.S.E. Reg. Ber. 200 W.

Rpt. 13.

RE

Port of

No. in Reg. Book on the Built

Owners The R

Yard No. 44

DESCRIPTION OF

Two se automatic 8" dia. 6"

Capacity of Dynam

Where is Dynamo

Position of Main

Positions of auxili

skelton de one main

If cut outs are fitte

circuits 1/2

If vessel is wired

Are the cut outs of

Are all cut outs fitte

are permanent

Are all switches and

Total number of lig

A 1/1

B 1/1

C 3/3

D

E

2 Mast head

2 Side

7

If arc lights, what p

Where are the swit

DESCRIPTION OF

Main cable carrying

Branch " " "

Branch cables carryin

Branch cables carryin

Leads to lamps carry

Cargo light cables carr

DESCRIPTION OF

Conductors

tape. Cable

steel armor

Joints in cables, how

protected w

Are all the joints of c

made in bunkers,

Are there any joints i

How are the cables le

additional pa

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

Included in Special Survey fee.

The amount of Entry Fee .. £	:	:	When applied for.
Special £	:	:19.....
Donkey Boiler Fee £	:	:	When received,
Travelling Expenses (if any) £	:	:19.....

A. L. Jones

Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute

FRI. 8-AUG. 1919

Assigned

See Minute on attached report



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