

REPORT ON BOILERS.

No. 2528

Received at London Office

of writing Report

191

When handed in at Local Office

191

Port of Kobe

WED. 6-AUG. 1919

To. in Survey held at

Kobe

Date, First Survey

28 Dec. 1918

Last Survey

29 April 1919

g. Book.

on the Steel Single Screw Steamer "Glasgow Maru"

(Number of Visits 10)

Gross

Tons

Net

ster Built at

Kobe

By whom built

The Kawasaki Dockyard Co. Ltd. When built 1919

ines made at

Kobe

By whom made

The Kawasaki Dockyard Co. Ltd. When made 1919

ers made at

No.

By whom made

No.

When made 1919

istered Horse Power

Owners The Kawasaki Kisen Kaisha

Port belonging to Kobe

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

atter for record S.) Total Heating Surface of Boilers 11320" Is forced draft fitted yes No. and Description of

ilers One 5. 6. Aux. Boiler Working Pressure 200 lbs. Tested by hydraulic pressure to 400 lbs. Date of test 28/2/19

of Certificate 400 LBS. Can each boiler be worked separately yes Area of fire grate in each boiler 330" No. and Description of

ety valves to each boiler Two Direct Spring Area of each valve 5.930" Pressure to which they are adjusted 205 lbs.

e 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 tons Are the shell plates welded or flanged No

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

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

es 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

iler Two "Morison" Material Steel Outside diameter 40 1/4" Length of plain part top 9 1/2" bottom 8 1/2" Thickness of plates crown 9" bottom 16"

scription of longitudinal joint Weld No. of strengthening rings Working pressure of furnace by the rules 236 lbs. Combustion chamber

ites: 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 1/2 x 8 1/2

7 x 8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 204 lbs. Material of stays Steel Area at

allest part 1.780" Area supported by each stay 660" 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 Double nuts Working pressure by rules 202 lbs. Material of stays Steel Area at smallest part 5.27

Area 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

ower back plate Steel Thickness 3/4" Greatest pitch of stays 13 1/2" Wide Working pressure of plate by rules 200 lbs. Diameter of tubes 3 1/4"

itch 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

ter spaces 13 3/4 double 5/8 Working pressures by rules 200 lbs. Girders to Chamber tops: Material Steel Depth and thickness of

der 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

iameter 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

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

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

ERTICAL DONKEY BOILER— No. Description Manufacturers of steel

ade at By whom made When made Where fixed Working pressure

ted by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves

. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can

ter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile

ength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

p of plating Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates

adius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

ickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown

ates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

ickness of water tubes

ing.

During progress of work in shops - - - 28 Dec 1918 5. 10. 12. 20. 28 Feb 1919

During erection on board vessel - - - 12. 16. 24. 29 April 1919

Total No. of visits 10

Is the approved plan of main boiler forwarded herewith

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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 1 S. E. Reg. Ber. 200 W.

Rpt. 13.

RE

Port of

No. in on the
Reg. Book

Built

Owners The P.

Yard No. 44

DESCRIPTION OF

Two se
automatic
8" dia. 6"

Capacity of Dyna

Where is Dynamo

Position of Main

Positions of auxilia

shelter de
one main

If cut outs are fitte

circuits 1

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

B 1

C 3

D

E

2 Mast head

2 Side

7

If arc lights, what

Where are the swit

DESCRIPTION OF

Main cable carrying

Branch " "

Branch cables carryin

Branch cables carryin

Leads to lamps carry

Cargo light cables car

DESCRIPTION OF

Conductors

tape. Cable

steel armor

Joints in cables, how

protected

Are all the joints of

made in bunkers.

Are there any joints

How are the cables le

additional

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

Committee's Minute

FRI. 8-AUG. 1919

Assigned

See Minute on attached report

A. L. Jones

Engineer Surveyor to Lloyd's Register of Shipping



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Lloyd's Register
Foundation