

REPORT ON BOILERS.

No. 2571

Received at London Office

Date of writing Report _____ 191 _____ When handed in at Local Office _____ 191 _____ Port of Kobe TUE SEP 23 1919
 No. in Survey held at Kobe Date, First Survey 22nd Jan'y 1919 Last Survey 31st May 1919
 Reg. Book. _____ (Number of Visits 13) Gross 5859
 on the Steel Single Screw Steamer "Chile Maru" Tons } Net 4260
 Master _____ Built at Kobe By whom built Kawasaki Dockyard Co., Ltd. When built 1919
 Engines made at Kobe By whom made Kawasaki Dockyard Co., Ltd. When made 1919
 Boilers made at do By whom made do When made 1919
 Registered Horse Power _____ Owners The Kawasaki Kisen Kaisha, Ltd. Port belonging to Kobe

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Illinois, Wash Bros, Bestmore & American Spiral Pipe Works
 Letter for record S) Total Heating Surface of Boilers 1132⁰ Is forced draft fitted yes No. and Description of
 Boilers One S. to Aux. Boiler Working Pressure 200 lbs. Tested by hydraulic pressure to 400 lbs. Date of test 8 March 1919
 No. of Certificate 400 LBS Can each boiler be worked separately yes Area of fire grate in each boiler 33⁰ No. and Description of
 Safety valves to each boiler Two Direct Spring Area of each valve 5.93⁰ 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 ✓
 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 Doub. riv. long. seams Treble riveled Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 3/4" + 3 3/4"
 Width of plates or width of butt straps 14 1/2" x 1" Per centages of strength of longitudinal joint 95.2 Working pressure of shell by
 rules 200 lbs. Size of manhole in shell 12" x 16" Size of compensating ring (4 1/2" flange) 1" No. and Description of Furnaces in each
 boiler Two Morrison Material Steel Outside diameter 40 1/2" Length of plain part top Thickness of plates crown 9 1/16"
 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 7 1/2 x 8 1/2"
 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 End plates in steam space: Material Steel Thickness 7/8"
 Pitch of stays 15 1/2 x 14 1/2" How are stays secured Doub. nuts Working pressure by rules 202 Material of stays Steel Area at smallest part 5.27
 Area supported by each stay 15 1/2 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 pitch of stays 13 1/2 at wide Working pressure of plate by rules 200 lbs. Diameter of tubes 3 1/4"
 Pitch of tubes 1 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
 between spaces 13 1/2" 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 24" Distance apart 8" Number and pitch of Stays in each 3 @ 7"
 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 _____
 No. 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 _____

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 _____ Descrip. of riveting long. seams _____ Dia. of rivet holes _____ Whether punched or drilled _____ Pitch of rivets _____
 Material of plating _____ Per centage of strength of joint Rivets Working pressure of shell by rules _____ Thickness of shell crown plates _____
 Diameter 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 _____

The foregoing is a correct description,
Kawasaki Dockyard Co., Ltd., Manufacturer.

During progress of work in shops - - - 22, 25 Jan'y. 1, 7, 13, 18, 22, 26 Feb'y
 During erection on board vessel - - - 6, 8 March 12, 15, 21 May 1919
 Total No. of visits 13

Is the approved plan of main boiler forwarded herewith ✓ full Report ✓
 " " " " ✓ 2528 on R.S. ✓
 " " " " ✓ Glasgow Memo ✓

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

This boiler has been made & fitted under Special Survey in accordance with the requirements of the Rules & materials & workmanship have been found good.

The vessel is eligible in our opinion for the notation *Aut. S. E. B. 200 Hrs*

13.

REPORT

rt of *Rob*
in on the Iron or S
Book Built at
The Kawasaki
d No. *457* Elec

DESCRIPTION OF DYNAMO

Two sets of com
vertical enclosed
"dia 6" stroke

Capacity of Dynamo

Where is Dynamo fixed

Position of Main Switch Board

Positions of auxiliary switch

1 on the lower
board

Cut outs are fitted on main

Circuits *yes*

Vessel is wired on the d

Are the cut outs of non-oxid

Are all cut outs fitted in ea

Are permanent instr

Are all switches and cut-ou

Total number of lights p

A *114*

B *13*

C *31*

D *2*

E

2 Mast head light

2 Side light

7

If are lights, what prote

Where are the switches

DESCRIPTION OF C

Main cable carrying

Branch "

Branch cables carrying

" " "

Branch cables carrying

" " "

Leads to lamps carrying

Cargo light cables carry

DESCRIPTION OF I

Conductor's

tape. Cable

steel armor

Joints in cables, how m

with water

Are all the joints of

made in bunkers

Are there any joints

How are the cables

additional

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

The amount of Entry Fee	<i>£</i>	<i>When included</i>	When applied for,
Special	<i>£</i>	<i>in Spec. Sur</i>	19
Donkey Boiler Fee	<i>£</i>	<i>Fees of Mach</i>	When received,
Travelling Expenses (if any) £			19

Committee's Minute

TUE 7-OCT. 1919

Assigned

A. L. Jones & Aulatt

Engineer Surveyor to Lloyd's Register of Shipping



© 2021

Lloyd's Register
Foundation