

REPORT ON BOILERS.

No. 2046

Received at London Office

MON. AUG. 27 1917

Date of writing Report 7th July 1917 When handed in at Local Office

19 Port of Kobe

No. in Survey held at Kobe

Date, First Survey 22nd Sept 1916Last Survey 3rd July 1917

Reg. Book.

on the Steel Single Screw Steamer "War Council"

(Number of Visits)

Gross 5875

Net 4278

Master

Built at Kobe

By whom built

The Kawasaki Dock Co Ltd

When built 1917-6

Engines made at Kobe

By whom made

The Kawasaki Dock Co Ltd

when made 1917-6

Boilers made at do

By whom made

do

when made do

Registered Horse Power 440

Owners Messrs J. & W. W. & Co Ltd Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel

Carnegie Steel Co

Letter for record S

Total Heating Surface of Boilers 1132 sq ft

Is forced draft fitted

yes

No. and Description of

Boilers One S. E. Ann. blr.

Working Pressure 200 lb

Tested by hydraulic pressure to 400 lb

Date of test 16.2.17

No. of Certificate 400 lbs

Can each boiler be worked separately

yes

Area of fire grate in each boiler 33 sq ft

No. and Description of

Safety valves to each boiler

Two, direct spring

Area of each valve 5.93 sq ft

Pressure to which they are adjusted 205 lb

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 28-32 lb

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams Double riv. long. seams

Double riv. strips

Diameter of rivet holes in long. seams 1 1/16"

Pitch of rivets 6 29/32" x 3 29/32"

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 200 lb

Size of manhole in shell 12" x 16"

Size of compensating ring (7 1/4" x 1")

No. and Description of Furnaces in each

Boiler 2 Morrison

Material Steel

Outside diameter 40 1/4"

Length of plain part

top

Thickness of plates

crown 9/16"

Description of longitudinal joint Weld

No. of strengthening rings

Working pressure of furnace by the rules 236 lb

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 13/16" x 8 1/8"

Top 7 x 8

If stays are fitted with nuts or riveted heads Nuts in c.c.

Working pressure by rules 204 lb

Material of stays Steel

Diameter at

Smallest part 1 7/8"

Area supported by each stay 66 sq in

Working pressure by rules 242 lb

End plates in steam space: Material Steel

Thickness 7/8"

Pitch of stays 15 1/4" x 10 1/2"

How are stays secured Double nuts

Working pressure by rules 202 lb

Material of stays Steel

Diameter at smallest part 5 27/32"

Area supported by each stay 15 1/4" x 10 1/2"

Working pressure by rules 238 lb

Material of Front plates at bottom Steel

Thickness 3/4"

Lower back plate Steel

Thickness 3/4"

Greatest pitch of stays 13 1/2" in w.d.

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" diam

Working pressures by rules 200 lb

Girders to Chamber tops: Material Steel

Depth and thickness of

Order at centre 8 x 13/16 (two)

Length as per rule 27"

Distance apart 8"

Number and pitch of Stays in each 3 @ 7"

Working pressure by rules 256 lb

Superheater or Steam chest: how connected to boiler

Can the superheater be shut off and the boiler worked

separately

Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Plates Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

Is stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

KAWASAKI DOCKYARD COMPANY, LTD

Manufacturer.

Dates During progress of 22 Sept 1916 to 16 Feb 1917

Is the approved plan of boiler forwarded herewith

while work in shops - - -

During erection on 7 June to 3 July 1917

Total No. of visits Continuous attendance

building board vessel - - -

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

This boiler has been made under Special Survey in accordance with the Rules & material & workmanship have been found good. This report accompanies the 1st Survey report on the Hull & machinery.

Survey Fee

Paid on Machy

When applied for, 19

Travelling Expenses (if any) £

Rpt.

When received, 19

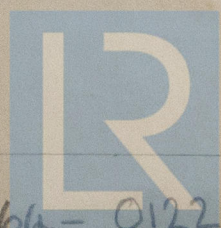
Arthur L. Jones

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUE. AUG. 28 1917.

Assigned



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