

REPORT ON BOILERS.

No. 2808.

Received at London Office

TUE JUN 29 1920

When handed in at Local Office

Port of Kobe

held at

Kobe

Date, First Survey Sept 3rd 1919

Last Survey 20th Apr. 1920

(Number of Visits 22)

Gross 5869.86
Tons Net 4266.26

Steel Single Screw Steamer "NORWAY MARU"

Shaft + Whimori Built at

Kobe

By whom built Kawasaki Dockyard Co. When built 1920

P. Rod +

Kobe

By whom made Kawasaki Dockyard Co., Ltd When made 1920

Safety Valve

do

By whom made do When made 1920

Power N. H. P. 440 Owners Kawasaki Kisen Kabushiki Kaisha. Port belonging to Kobe

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

Illinois Steel Co., Carnegie Stl. Co.
+ Am. Spiral Pipe Co.
+ John Marshall (Furnaces).

rd S. Total Heating Surface of Boilers 11320 Is forced draft fitted yes

No. and Description of

re S. & Auxy. Blr. Working Pressure 200 lbs Tested by hydraulic pressure to 400 lbs Date of test 28-2-20

Can each boiler be worked separately yes

Area of fire grate in each boiler 33

Area of each valve 5.93 Pressure to which they are adjusted 205 lbs.

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler yes

Mean dia. of boilers 10'-10" Length 10'-6"

Thickness 1" Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged no

Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 3/32 + 3 29/64

Per centages of strength of longitudinal joint 95.2 Working pressure of shell by

Size of manhole in shell 12" x 16" Size of compensating ring (7 1/4" flange) No. and Description of Furnaces in each

Material Steel Outside diameter 40 1/4" Length of plain part 1" Thickness of plates 9/16"

Working pressure of furnace by the rules 218 lbs. Combustion chamber

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 1/16" x 8 1/2"

Working pressure by rules 213 lbs. Material of stays Steel Area at

Area supported by each stay 64" Working pressure by rules 223 lbs. End plates in steam space: Material Steel Thickness 7/8"

Material of stays Steel Area at smallest part 5.27

Material of Front plates at bottom Steel Thickness 3/4" Material of

Greatest pitch of stays 15" approx. Working pressure of plate by rules 237 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

Working pressures by rules 266 lbs. Girders to Chamber tops: Material Steel Depth and thickness of

Length as per rule 26 5/8" Distance apart 8" Number and pitch of Stays in each 3 @ 7"

Steam dome: description of joint to shell None % of strength of joint

Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Working pressure of shell by rules Crown plates Thickness How stayed

HEATER. 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

Pressure to which each is adjusted Is Easing Gear fitted

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

Per J. A. Kane Manufacturer.

Secretary.

During progress of work in shops - 1919 Sept. 3, 15; Oct 9, 14, 16, 23; Nov 7; Dec. 13;

1920 Jan 16, 22, 26; Feb 3, 9, 19, 28.

During erection on board vessel - Mar 30; Apr 6, 10, 13, 16, 17, 20; -

Is the approved plan of boiler forwarded herewith yes

Total No. of visits 22.

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

This Boilers has been made and fitted under Special Survey
Rules have been complied with & the materials & workmanship found good.
The vessel is eligible, it is submitted, for the record I.S.E. Aux. Blr. 200 lbs.

Survey Fee ... Incl^d with

Travelling Expenses (if any) £ makey fee.

When applied for, 23rd Apr. 1920

When received, 30th Apr. 1920

FRI JUL 2 1920

Alexander Watt 2020
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

signed See minute on attached report

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