

K 461 Port Said Maru

5.

REPORT ON BOILERS.

No. 2589

Port of Kobe

Received at London Office

19

in Survey held at
Book.

Kobe

Date, first Survey 10th March Last Survey 1st Aug 1919.

(Number of Visits 19.)

Gross 5860
Net 1260

impe
sho
fin
bra
nes
made
at
Kobe
By whom
made
The
Kawasaki
Dockyard
Co., Ltd.
when
made
1919
do
By whom
made
do
when
made
1919
stered
Horse
Power
NHP 440.
Owners
The Kawasaki Kisen Kaisha
Port
belonging
to
Kobe

on the Steel Single Screw Steamer "Port Said Maru"

K. MURAKAMI Built at Kobe By whom built The Kawasaki Dockyard Co., Ltd. When built 1919

nes made at Kobe By whom made The Kawasaki Dockyard Co., Ltd. when made 1919

rs made at do By whom made do when made 1919

stered Horse Power NHP 440. Owners The Kawasaki Kisen Kaisha Port belonging to Kobe

LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Carnegie Steel, Illinois Steel.
Amer. Special Pipe Wks.

ter for record S. Total Heating Surface of Boilers 11320^{sq} ft Is forced draft fitted yes No. and Description of

ers One S. & Aux. Boiler Working Pressure 200 lbs Tested by hydraulic pressure to 100 lbs Date of test 2-7-19

of Certificate LLOYD'S TEST 400 LBS 2-7-19 Can each boiler be worked separately yes Area of fire grate in each boiler 33^{sq} ft No. and Description of

ty valves to each boiler Two Direct Spring Area of each valve 5.93^{sq} ft Pressure to which they are adjusted 205 lbs.

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 18ⁱⁿ Mean dia. of boilers 10'-10" Length 10'-6"

Material of shell plates Steel Thickness 1ⁱⁿ Range of tensile strength 28 to 32^{tons} Are the shell plates welded or flanged no

scrip. of riveting: cir. seams Doub. rivet long. seams Doub. straps Diameter of rivet holes in long. seams 1 1/16ⁱⁿ Pitch of rivets 6 3/4 + 3 29/32ⁱⁿ

of plates or width of butt straps 14 1/2ⁱⁿ x 1ⁱⁿ Per centages of strength of longitudinal joint 95.2 Working pressure of shell by

200 lbs Size of manhole in shell 12ⁱⁿ x 16ⁱⁿ Size of compensating ring (1 1/2ⁱⁿ + flange) 1ⁱⁿ No. and Description of Furnaces in each

Two "Morison" Material Steel Outside diameter 10 1/2ⁱⁿ Length of plain part 10 1/2ⁱⁿ Thickness of plates 9/16ⁱⁿ

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

Material Steel Thickness: Sides 5/8ⁱⁿ Back 5/8ⁱⁿ Top 5/8ⁱⁿ Bottom 3/4ⁱⁿ Pitch of stays to ditto: Sides 7 x 8 1/2ⁱⁿ Back 7 1/2 x 8 1/2ⁱⁿ

7 x 8ⁱⁿ If stays are fitted with nuts or riveted heads nuts Working pressure by rules 201 lbs Material of stays Steel Diameter at

allest part 1 7/8ⁱⁿ Area supported by each stay 66^{sq} in Working pressure by rules 212 lbs End plates in steam space: Material Steel Thickness 7/8ⁱⁿ

ch of stays 15 1/2 x 1 1/2ⁱⁿ How are stays secured Doub. nuts Working pressure by rules 202 lbs Material of stays Steel Diameter at smallest part 5.27ⁱⁿ

Area supported by each stay 15 1/2 x 1 1/2ⁱⁿ Working pressure by rules 238 lbs Material of Front plates at bottom Steel Thickness 3/4ⁱⁿ Material of

ver back plate Steel Thickness 3/4ⁱⁿ Greatest pitch of stays 1 3/4ⁱⁿ at side Working pressure of plate by rules 200 lbs Diameter of tubes 3 1/2ⁱⁿ

itch of tubes 1 3/4ⁱⁿ mean Material of tube plates Steel Thickness: Front 7/8ⁱⁿ Back 3/4ⁱⁿ Mean pitch of stays 8 3/4ⁱⁿ Pitch across wide

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

order at centre 8 x 13/16ⁱⁿ (two) Length as per rule 24ⁱⁿ Distance apart 8ⁱⁿ Number and pitch of Stays in each 3 @ 7ⁱⁿ

Working pressure by rules 256 lbs 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

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

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

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

VERTICAL DONKEY BOILER—No. Description Manufacturers of steel When made Where fixed Working pressure

tested by hydraulic pressure to 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 Cap of plating

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 Stayed by Diameter of uptake Thickness of uptake plates Thickness of water tubes Kawasaki Dockyard Co., Ltd.

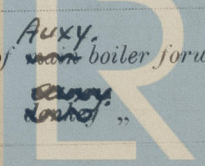
The foregoing is a correct description, Per J. Okakura Manufacturer.

Secret Mar 10; May 26; June 10, 13, 24, 25; July 2.

July 23, 26; Aug 1.

10

Is the approved plan of Auxy. boiler forwarded herewith yes



© 2021

Lloyd's Register

Foundation

W1303-0180

WEB
FRAMES, In
No. of Sid
FRAMES, In
FRAMES, In
No. of Sid
Size of Face
KET PLAT
Frames, de
KHEADS.
KHEADS
LISION ..
TION ..
TUDINAL
outside Pla
none
STRAKES
LATE KEEL
Keel, state R
ARD or A
B
C
D
E
F
G
H
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z
SOFSH
F LONG
F STRA
Flat P
Sheer
and th
DES ...
RIDGE
TLE S
or
r De
er Pl
Deck
er Pl
S ext
SED
MA
M

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

This Boiler has been made and fitted under Special Survey. The Rules have been complied with and the materials and Workmanship found good. The Vessel is eligible, it is submitted, for the Record One S. & aux. Blr. 200 lbs. *AW*

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...	Included in	When applied for.
Special	Moely: 15 th List	
Donkey Boiler Fee ...	£ 200.	19
Travelling Expenses (if any) £		When received.
		19

Committee's Minute

FRI. 17 OCT. 1919

Assigned

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



© 2021

Lloyd's Register
Foundation