

# REPORT ON BOILERS.

No. 36089.

MON 21 JUN 1916

Received at London Office

ing Report

When handed in at Local Office

Port of

Glasgow

Survey held at Paisley

Date, First Survey 1/6/15

Last Survey 16/6/ 1916

on the Single ended Main Boilers for the S.S. "SMERDIS"

(Number of Visits 33)

Gross Tons }  
Net

Barr

Built at

Anderson

By whom built

Anderson & Co. Ltd. 267

When built 1916

ade at

Boalbudge

By whom made

W. Beardmore & Co. Ltd. 470

When made 1916

ade at

Paisley

By whom made

M. A. F. Craig & Co. Ltd. 553-4

When made 1916

Horse Power

149

Owners

J. R. Hutchison

Port belonging to

Glasgow.

TUBULAR BOILERS—MAIN, ~~ALTERNATE OR DONKEY~~

Manufacturers of Steel

D. Colville & Sons Ltd. Motherwell.

record

Total Heating Surface of Boilers

2712

Is forced draft fitted

No

No. and Description of

English Patent

Working Pressure 180

Tested by hydraulic pressure to 360

Date of test 16-6-16

ificate 13453

Can each boiler be worked separately

Area of fire grate in each boiler 31.5

No. and Description of

s to each boiler

Area of each valve

Pressure to which they are adjusted

ted with easing gear

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

stance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers 12.75 Length 8.9

shell plates

S

Thickness

1 1/16

Range of tensile strength 28/32

Are the shell plates welded or flanged

riveting: cir. seams

DR.

long. seams

TRIDBS

Diameter of rivet holes in long. seams 1 1/8

Pitch of rivets 8

er width of butt straps

16 5/8

Per centages of strength of longitudinal joint

rivets 87

plate 85.9

Working pressure of shell by

Size of manhole in shell

16 x 12

Size of compensating ring 7 x 1 1/8

No. and Description of Furnaces in each

Material S

Outside diameter 3.10 1/4

Length of plain part

top

Thickness of plates

crown 9/16

of longitudinal joint

mild

No. of strengthening rings

Working pressure of furnace by the rules 191

Combustion chamber

Material S

Thickness: Sides 1 1/16

Back 2 1/32

Top 1 1/16

Bottom 1 1/16

Pitch of stays to ditto: Sides

Back 8 1/4 x 9

If stays are fitted with nuts or riveted heads

Nuts

Working pressure by rules 200

Material of stays

Diameter at

Area supported by each stay 44.25

Working pressure by rules 230

End plates in steam space: Material S

Thickness 1 1/32

How are stays secured

DNW

Working pressure by rules 185

Material of stays

Area

Diameter at smallest part 8 1/3

ted by each stay

272

Working pressure by rules 230

Material of Front plates at bottom

S

Thickness 7/8

Material of

plate

S

Thickness 7/8

Greatest pitch of stays 22 x 10

Working pressure of plate by rules 187

Diameter of tubes 3

Material of tube plates

S

Thickness: Front 7/8

Back 7/8

Mean pitch of stays 16 5/16

Pitch across wide

Working pressures by rules

Girders to Chamber tops: Material

Depth and thickness of

Length as per rule

24

Distance apart

Number and pitch of Stays in each

Can the superheater be shut off and the boiler worked

Superheater or Steam chest: how connected to boiler

Diameter

Length

Thickness of shell plates

Material

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

request form

with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

request form

request form

request form

request form

The foregoing is a correct description,

A. F. CRAIG & CO. LTD.

Hector J. Macintosh Manufacturer.

ring progress of 1915 Jan 1-1522 July 12-29 Aug 1-27 Sept 7-20 Oct 1-11-19-25

work in shops - - - Nov 16-23 Dec 1-15 1916 Jan 17 Feb 4-18-25

ring erection on Mar 7-20 Apr 19 May 5-10-17-19-25 Jan 14-16

board vessel - - -

Is the approved plan of boiler forwarded herewith

Yes

Total No. of visits

33

AL REMARKS

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

These boilers have been built

Special Survey in accordance with the approved plans  
workmanship & material are of good quality. These boilers  
be fitted on board at Glasgow

Fee ... £ 8.1

Expenses (if any) £

When applied for, 191

When received, 191

MONTHLY ACCOUNT

W. Gordon Macintosh

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

GLASGOW 20 JUN. 1916

ee's Minute

TRANSMIT TO LONDON

Deferred



Lloyd's Register  
Foundation

005029-005037-0190