

REPORT ON BOILERS.

No. 41612

Received at London Office

THU. 29 DEC. 1921

Date of writing Report 27.12.21 When handed in at Local Office 27.12.21 Port of Glasgow
 No. in Survey held at Dalnair Date, First Survey 12/1/1920 Last Survey 23/12/21 19
 Reg. Book. on the S.S. Largs Bay (Number of Visits 86) Gross 13837
 Tons Net 8457
 Master Built at Dalnair By whom built Wm Beardmore & Co. Ltd. (616) When built 1921
 Engines made at Dalnair By whom made Wm Beardmore & Co. Ltd. (616) When made 1921
 Boilers made at Dalnair By whom made Wm Beardmore & Co. Ltd. (616) When made 1921
 Registered Horse Power 1977 Owners Australian Commonwealth Coalfield Port belonging to Adelaide

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel Wm Beardmore & Co. Ltd.

Letter for record (7) Total Heating Surface of Boilers 6480.57 Is forced draft fitted yes No. and Description of Boilers 2 Single Ended Working Pressure 220 Tested by hydraulic pressure to 355 Date of test 5/5/21
 No. of Certificate 15820 Can each boiler be worked separately yes Area of fire grate in each boiler No. and Description of safety valves to each boiler double spring Area of each valve 11" Pressure to which they are adjusted 225
 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 15" Mean dia. of boilers 17'-6" Length 11'-6"
 Material of shell plates steel Thickness 1 3/32 Range of tensile strength 30-34 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams double long. seams triple butt Diameter of rivet holes in long. seams 1 3/32 Pitch of rivets 10 1/2"
 Lap of plates or width of butt straps 23 5/8 Per centages of strength of longitudinal joint rivets 92 plate 84.2 Working pressure of shell by rules 230 Size of manhole in shell 16" x 12" Size of compensating ring 40 x 36 1/2 x 1 3/32 No. and Description of Furnaces in each boiler 4 Monsons Material steel Outside diameter 48 3/8 Length of plain part top 11" bottom 16" Thickness of plates crown 11" bottom 16"
 Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 231 Combustion chamber plates: Material steel Thickness: Sides 23/32 Back 23/32 Top 23/32 Bottom 13/16 Pitch of stays to ditto: Sides 9 5/8 x 9 1/2 Back 10 x 7 3/8
 Top 9 5/8 x 8 If stays are fitted with nuts or riveted heads yes Working pressure by rules 237 Material of stays iron Area at smallest part 2.03 Area supported by each stay 59" Working pressure by rules 230 End plates in steam space: Material steel Thickness 1 1/4"
 Pitch of stays 17 5/8 x 15 How are stays secured 2 1/4 Working pressure by rules 221 Material of stays steel Area at smallest part 7.06
 Area supported by each stay 3/8 Working pressure by rules 231 Material of Front plates at bottom steel Thickness 1" Material of Lower back plate steel Thickness 23/32 Greatest pitch of stays 13 3/4 Working pressure of plate by rules 450 Diameter of tubes 2 3/4"
 Pitch of tubes 4" x 4" Material of tube plates steel Thickness: Front 1" Back 1 1/16 Mean pitch of stays 10 Pitch across wide water spaces 13 3/4 to 14 Working pressures by rules 292 Girders to Chamber tops: Material steel Depth and thickness of girder at centre 9" x 7 1/2 Length as per rule 30 3/32 Distance apart 8" Number and pitch of Stays in each (2) 9 5/8
 Working pressure by rules 260 Steam dome: description of joint to shell none % 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 Superheater Date of Approval of Plan See Manufacture Report 1920 Tested by Hydraulic Pressure to
 Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler yes
 Diameter of Safety Valve 2" Single Spring Pressure to which each is adjusted 230 Is Easing Gear fitted yes

For WILLIAM BEARDMORE & CO., LIMITED
 The foregoing is a correct description,
 J. H. O'Connell
 MANUFACTURER.

ENGINEERING MANAGER

Dates of Survey During progress of work in shops - - - See accompanying
 while building During erection on board vessel - - - machinery report
 Is the approved plan of boiler forwarded herewith
 Total No. of visits 86.

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

These boilers have been built under special survey the materials and workmanship are of good description they have been well fitted on boiler and under steam they are fitted for burning oil fuel

Survey Fee ... When applied for, 19
 Travelling Expenses (if any) ... When received, 19

Committee's Minute

Assigned See accompanying machinery report

A. McKeand
Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 6 JAN. 1922

003385-003390-0200 1/2

Lloyd's Register
Foundation

I herewith enclose prints of the oil fuel system of firing
 galley ranges in this vessel, and also two letters from Mr.
 Tom Beadman to L.P. on the subject. I may state that - with
 the exception of the ventilation & fire extinguishing
 arrangements mentioned in their letter of the 2nd Dec 1921
 the arrangement is fitted as originally submitted
A. McKeand

Rpt. 13.

Port of

No. in
 Reg. Book
 22142.

Owners

Yard No.

DESCRIPTION

MAIN

EMERGENCY

Capacity of

Where is

Position of

Positions

If fuses are

circuits

If vessel is

Are the fuses

Are all fuses

are put

Are all switches

Total number

A 685

B 255

C 5

D 12

E 26

2

2

If are lights

Where are

DESCRIPTION

Main cable

Branch cable

Branch cable

Leads to lamp

Cargo light

DESCRIPTION

LEAD

LEAD

CAB

Joints in cable

Are all the joints

position

Are there any

How are the



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