

1 OCT 1932

Sld. No. 31054

Bo No. 52568

REPORT ON BOILERS.

st. 5e.

Received at London Office 18 JUN 1932

Date of writing Report 19 1932 When handed in at Local Office 1-6-1932 Port of Glasgow Sld. 27 Sep. 1932

No. in Survey held at Amman Date, First Survey 16-8-32 Last Survey 31-5-1932

Reg. Book. BOILER No. 12228 S/S Tyndall (Number of Visits 6) (Gross 1314)

on the Built at Sunderland By whom built S.P. Austin & Son When built 1932 (Net 731)

Master Boilers made at Amman By whom made Cochran & Co. Annan Ltd When made 1932

Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Cochran Vertical Manufacturers of steel Steel Company of Scotland

Made at Amman By whom made Cochran & Co. Annan Ltd. When made 1932 Where fixed — Working pressure 100

tested by hydraulic pressure to 200 Date of test 31-5-32 No. of Certificate 19135 Fire grate area 16.75 Description of safety valves enclosed spring

No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 If fitted with easing gear — If steam from main boilers can enter the donkey boiler —

Diameter of donkey boiler 5'-6" Length 12'-3" Material of shell plates steel Thickness 7/16 & 1/2"

Range of tensile strength 28-32 Description of riveting long. seams WR lap Diameter of rivet holes 25/32 Whether punched or drilled drilled Pitch of rivets 2.69 2.55 2.5 Lap of plating 3 7/8 Per centage of strength of joint Rivets 66.6 Plates 68.6 Working pressure of shell by rules 117 Thickness of shell crown plates 13/32 & 1/16 Radius of do. 2'-9" No. of stays to do. — Diameter of stays —

furnace—Top — Bottom 4'-9" Length of furnace — Thickness of furnace side plates 1/2" Description of joint seamless Working pressure of furnace by rules 144 Thickness of Ogee ring 1/16 Working pressure of Ogee ring by rules 104 Thickness of furnace crown plates 1/2" Radius of do. 2'-4 1/2" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates front 23/32 back 19/32 Mean pitch of stay tubes in nest 10.5" Pitch in outer vertical rows 8"

Diameter of tube holes FRONT stay 2 1/16 plain 2 1/8 BACK stay 2 1/2 plain 2 1/2 Working pressure of tube plates by rules F104. B III Tubes: Material Iron

External diameter stay 2 1/2 plain 2 1/2 Thickness stay 1/32 plain 1/16 No. of threads per inch 9 Pitch of tubes 4" x 3 1/2"

Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 16" x 12" Section of compensating ring 6" x 1 1/2" No. of rivets and diameter of rivet holes 36 @ 25/32 Outer row pitch at ends 3 5/8 3 1/16

FOR COCHRAN & CO., ANNAN, LTD.
 The foregoing is a correct description,
 E. A. R. E. X.
 GENERAL WORKS MANAGER, Manufacturers.

300 lbs.

Dates of Survey while building { During progress of work in shops - - } 1932 Mar 16 23 Apr 8 25 May 2 31
 { During erection on board vessel - - }
 Total No. of visits 6

Drawing No. 19217

Is the approved plan of boiler forwarded herewith yes

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

The materials and workmanship are good.
 The boiler has been constructed under special survey in accordance with the Rules. It is being sent to Sunderland to be fitted in the vessel.

This boiler was satisfactorily fitted on board S.S. "TYNDALL", built by Messrs. S.P. Austin & Son yard No. 325, has been examined under a full head of steam and the safety valves adjusted to 100 lbs./sq. inch. Washers: 2 1/2" & 1 1/2"
 In station, see Machinery Report.

Survey Fee £ 4 : 4 : } When applied for 19
 Travelling Expenses (if any) £ : : } When received 19

MONTHLY ACCOUNT

S. C. Davis
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 7 - JUN 1932
 Assigned TRANSMIT TO LONDON

See Sld. No. 31054
 Lloyd's Register Foundation
 003138-003146-0273

Austin. 17-325

1870

REPORT ON BOILER

Boiler No. 1528 of the
 S. P. Austin
 Houston & Texas
 Co. Houston, Texas

Inspected by
 J. H. [unclear]
 on the 15th day of [unclear] 1870

The boiler was found to be in good order and safe for use.

Water level [unclear]
 Pressure [unclear]
 Temperature [unclear]

Remarks: [unclear]

The boiler was found to be in good order and safe for use.

Water level [unclear]
 Pressure [unclear]
 Temperature [unclear]

Remarks: [unclear]

The boiler was found to be in good order and safe for use.

Water level [unclear]
 Pressure [unclear]
 Temperature [unclear]

Remarks: [unclear]



© 2020 Lloyd's Register Foundation