

30 AUG 1934

Rpt. 5e.

REPORT ON BOILERS.

No. 53538

-7 JUN 1933

Date of writing Report 19... When handed in at Local Office 1.6.33 Port of Glasgow.
No. in Survey held at Annan. Date, First Survey 3/5/33 Last Survey 26/5/1933
Reg. Book. on the Boiler No 12464 for S/s "Petworth" (Number of Visits 7) Tons {Gross 941.85
Net 518.39
Master J.M. Built at Burntisland By whom built Burntisland S. B Co Ltd When built 1934
Boilers made at Annan By whom made Cochran & Co Annan Ltd When made 1933.
Owners Port belonging to

VERTICAL DONKEY BOILER— No. 12464 Description Vert Mult Manufacturers of steel Steel Co of Scotland
Made at Annan By whom made Cochran & Co When made 1933 Where fixed Working pressure 100
tested by hydraulic pressure to 200 Date of test 26/5/33 No. of Certificate 19233 Fire grate area 147 Description of safety valves Enclosed Spring loaded
No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 lbs If fitted with easing gear yes If steam from main boilers can
enter the donkey boiler No Diameter of donkey boiler 5'-3" Length 11'-9" Material of shell plates Steel Thickness 1/2" 1/2"
Range of tensile strength 28-32 Description of riveting long. seams Lap J.R. Diameter of rivet holes 25/32 Whether punched or
drilled drilled Pitch of rivets 2.59, 2 1/2", 2.675 Lap of plating 3 1/2" Per centage of strength of joint Rivets 72.4 Working pressure of shell by
rules 117 Thickness of shell crown plates 3/8" 43/64 Radius of do. 2'-7 1/2" No. of stays to do. Diameter of stays Diameter of
furnace—Top Bottom 4'-6" Length of furnace Thickness of furnace plates 1/2" Description of joint 100 lbs Working
pressure of furnace by rules 153 Thickness of Ogee ring 43/64 Working pressure of Ogee ring by rules 103 lbs Thickness of furnace
crown plates 1/2" Radius of do. 2'-3" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake
plates 1/2" Thickness of tube plates front 1/2" back 1/2" Mean pitch of stay tubes in nest 10.7" Pitch in outer vertical rows 8"
Diameter of tube holes FRONT stay 2 1/8" BACK stay 2 1/8" Working pressure of tube plates by rules 105 B 110 Tubes: Material L.W. IRON
External diameter stay 2 1/2" Thickness stay 3/8" No. of threads per inch 9 Pitch of tubes 3 1/2" x 4"
Working pressure by rules 125 lbs. Manhole compensation: Size of opening in shell plate 16 x 12 Section of compensating
ring 6" x 5 1/8" No. of rivets and diameter of rivet holes 36 @ 25/32 Outer row pitch at ends 3 1/2"

FOR COCHRAN & CO., ANNAN, LTD.
The foregoing is a correct description,

W. R. R. Manufacturer.
GENERAL WORKS MANAGER.

Dates of Survey while building { During progress of work in shops- 1933. Mar 3. 10. 21. Apr 7. 13. 28 May 26.
During erection on board vessel - - -
Total No. of visits 7.

Drawing No. 19708

Is the approved plan of boiler forwarded herewith yes.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The materials & workmanship are good. The boiler has been constructed under special survey to the order of Messrs David Rowan & Co for their contract No 960.

Burntisland Yard No 179.

This boiler has been efficiently fitted on board examined under steam & safety valves adjusted 100 lbs. Thicknesses of washers for 7/16" & 1/4" OK.

Survey Fee ... £ 4-4-0
Travelling Expenses (if any) £ :

When applied for 19...
When received 19...

MONTHLY ACCOUNT

Committee's Minute GLASGOW 6 JUN 1933
Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

FR 7 SEP 1934

See Lth. Rpt. 78 18683

Lloyd's Register Foundation

012446 - 012459 - 0309