

Rpt. 5e. 1 JUN 1945

IN D.O.

REPORT ON BOILERS.

No. 69644

30 MAY 1945

Date of writing Report 19 When handed in at Local Office 28.5.1945 Port of GLASGOW.
No. in Survey held at ANNAN Date, First Survey 21.12.44 Last Survey 18.5.1945
Reg. Book. on the D. Vic 96 A/MS 1074 (Number of Visits 10) Gross 146
Tons Net 51
Built at Thorne Hall By whom built Richard Dunston Ltd. Yard No. T578 When built 1945
Boilers made at ANNAN By whom made COCHRAN & CO. ANNAN LD. Boiler No. 16457 When made 1945
Owners Ministry of War Transport Port belonging to Hull
managed by Messrs. Rother & Wilson of Hull

MAIN
VERTICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel Colvilles Ltd.
Made at Annan By whom made Cochran & Co. (Annan) Ltd. When made 1945 Where fixed Working pressure 125 lbs
tested by hydraulic pressure to 238 Date of test 18.5.45 No. of Certificate 21934 Fire grate area 26.75 sq. ft. Description of safety valves Ordinary
No. of safety valves 2 Area of each 4.9" Pressure to which they are adjusted 125 lb. If fitted with easing gear Yes If steam from main boilers can
enter the donkey boiler ✓ Diameter of donkey boiler 7'0" Length 14'0" Material of shell plates S Thickness 19/32" 23/32"
Range of tensile strength 28-32 tons. Description of riveting long. seams DR Lap Diameter of rivet holes 31/32" Whether punched or
drilled drilled Pitch of rivets 2.952" 3.03" 2.87" Lap of plating 4 1/2" Per centage of strength of joint Rivets 68.9 Working pressure of shell by
rules 129.7 Thickness of shell crown plates 1" x 17/32" Radius of do. 3'6" No. of stays to do. - Diameter of stays - Diameter of
furnace—Top - Bottom 6'0" Length of furnace - Thickness of furnace side plates 21/32" Description of joint Seamless Working
pressure of furnace by rules 152" Thickness of Ogee ring 1" Working pressure of Ogee ring by rules 133 Thickness of furnace
crown plates 21/32" Radius of do. 3'0" Stayed by hemisphere Diameter of uptake 16" x 20" Thickness of uptake
plates 1/2" Thickness of tube plates front 1 1/16" back 1" Mean pitch of stay tubes in nest 10.77" Pitch in outer vertical rows 8"
Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/8" Working pressure of tube plates by rules F126 B146 Tubes: Material S.
External diameter stay 2 1/8" Thickness stay 11/32" No. of threads per inch 9 Pitch of tubes 4" x 3 1/2"
plain 2 1/8" plain 10 L.S.G.
Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 21" x 17" Section of compensating
ring 7 1/2" x 1 1/32" No. of rivets and diameter of rivet holes 40 @ 31/32" Outer row pitch at ends 4 1/2"

The foregoing is a correct description,

FOR COCHRAN & CO. ANNAN, LTD. Manufacturer

Dates of Survey while building { During progress of work in shops - - } 1944 Dec 21 1945 Jan 10 & 21 & 24 & 25 & 26 & 27 & 28 & 29 & 30 May 3.18
{ During erection on board vessel - - }
Total No. of visits 10 Drawing No. 29465
Is the approved plan of boiler forwarded herewith No. Retained for duplicate cases.

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

The materials and workmanship are good.

The boiler has been construction under Special Survey.

To the order of the Admiralty for a Steam Lighter building by Messrs. Crabtree (1931) Ltd., Great Yarmouth.

Above boiler installed as sole main boiler in Vic 96 by Richard Dunston Ltd. at Thorne Hall, examined under steam, safety valves adjusted to 125 lb (P 2 1/32" & 1 7/32") accumulation test held. Boilers found satisfactory on completion of all tests
W S Shields
Hull.

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

Committee's Minute

GLASGOW

29 MAY 1945

Assigned Transmitted to Wokingham

Engineer Surveyor to Lloyd's Register of Shipping.

21 SEP 1945

Lloyd's Register Foundation

W1062-0065