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7 MAR 1947

REPORT ON BOILERS.

No. 71525

Date of writing Report 3 3 47 When handed in at Local Office 3 3 47 Port of GLASGOW Received at London Office 5 MAR 1947

No. in Survey held at ANNAN Date, First Survey 30. 8. 46 Last Survey 21. 2. 47 (Number of Visits 19)

Reg. Book on the T.W.S.S. ARGUS Tons } Gross }
Net }

Yard No. 381 Built at PORT GLASGOW By whom built FERGUSON BROS LTD. When built 1948

Boilers made at ANNAN By whom made Cochran & Co. Annan Ltd., Boiler No. 16989 When made 1947

Owners CORPORATION OF TRINITY HOUSE Port belonging to LONDON

VERTICAL DONKEY BOILER— No. one Description Cochran Manufacturers of steel Colvilles Ltd.,

Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1947 Where fixed oil fired Working pressure 100 lbs/sq. in.

tested by hydraulic pressure to 208 lbs/sq. in. Date of test 21. 2. 47 No. of Certificate 22353 Fire grate area oil fired Description of safety valves double spring

No. of safety valves 2 Area of each 1.76 sq. in. Pressure to which they are adjusted 1.76 sq. in. If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler Yes

Diameter of donkey boiler 3'9" Length 10'0" Material of shell plates S Thickness 3/8" and 13/32"

Range of tensile strength 28/32 tons Description of riveting long. seams D.R. Lap Diameter of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2.29", 2.23" and 2.25" Lap of plating 3 1/4" Per centage of strength of joint 68.1 Working pressure of shell by rules 146.1 lbs/sq. in. Thickness of shell crown plates 3/4" Radius of do. 3'9" No. of stays to do. none Diameter of stays - Diameter of furnace—Top - Bottom 3'3 1/2" Length of furnace 8 1/2 Thickness of furnace side plates 1/2" Description of joint E. welded Working pressure of furnace by rules 183.7 lbs/sq. in. Thickness of Ogee ring 1/2" Working pressure of Ogee ring by rules 121.7 lbs/sq. in. Thickness of furnace crown plates 1/2" Radius of do. 19" Stayed by hemisphere Diameter of uptake 8 1/2" x 13 1/2" Thickness of uptake plates 1/2" Thickness of tube plates front 11/16" back 17/32" Mean pitch of stay tubes in nest 8.84 Pitch in outer vertical rows 7 1/8"

Diameter of tube holes FRONT 2.11/16" BACK 2 1/2" Working pressure of tube plates by rules F. 111.6 lbs/sq. in. Tubes: Material steel

External diameter stay 2 1/2" plain 2.9/16" Thickness stay 11/32" plain 10 LSG. No. of threads per inch 9 Pitch of Tubes 3 1/2" x 3.9/16"

Working pressure by rules 175 lbs/sq. in. Manhole compensation; Size of opening in shell-plate dished end 16" x 12" Section of compensating ring flanged No. of rivets and diameter of rivet holes - Outer raw pitch at ends -

The foregoing is a correct description,
T. Rex. Manufacturer.

FOR COCHRAN & CO. ANNAN, LTD.

Dates of Survey while building: During progress of work in shops 19. 6. 47, 30. 8. 47, 27. 11. 47, 24. 12. 47, 31. 1. 48, 7. 2. 48, 11. 2. 48, 12. 2. 48, 10. 3. 48 Drawing No. 32281

During erection on board vessel -

Total No. of Visits 19 Is the approved plan of boiler forwarded herewith Yes

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

The boiler has been constructed under Special Survey in accordance with the approved plan, and the materials and workmanship are good.

The boiler has been sent to Port Glasgow for installation.

This boiler has been efficiently installed in the vessel & its safety valves adjusted under steam 35 lbs/sq. in. accumulation test satisfactory.

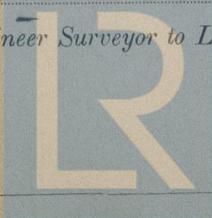
Chas. J. Hunt

Survey Fee ... £ 6 : 0 : 0 } When applied for Mon A/c. 19...

Travelling Expenses (if any) £ : : } When received 19...

GLASGOW 4 MAR 1947 3 FEB 1948

Whiddell
Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation