

22 SEP 1936

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REPORT ON BOILERS.

Slid. No. 31920

No. 57185

24 JUN 1936

Received at London Office

19-6-36 22-6-36 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 16-4-36 Last Survey 18-6-1936
 eg. Book. Boiler No. 13327. M.V. "SKIPSEA" (Number of Visits 10) Gross 4974
 on the Tons Net 3031
 Master Built at Sunderland By whom built Wm. Doxford & Sons Ltd. When built 1936.
 Boilers made at Annan By whom made Cochran & Co. (Annan) Ltd. When made 1936.
 Owners W. Brown Atkinson & Co. Ltd. Port belonging to Hull.

VERTICAL DONKEY BOILER— No. 1 Description Cochran Manufacturers of steel Still 6' 8" land
 Made at Annan By whom made Cochran & Co. Annan When made 1936 Where fixed none Working pressure 120
 Tested by hydraulic pressure to 230 Date of test 18-6-36 No. of Certificate 19753 Fire grate area ✓ Description of safety valves 2. 8. 2.
 No. of safety valves 2 Area of each 7.06 sq. ft. Pressure to which they are adjusted 120 If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler Diameter of donkey boiler 8'-0" Length 17'-9" Material of shell plates 8 Thickness 2 1/32" - 1 3/16"
 Range of tensile strength 28-32 Description of riveting long. seams D.R.L. Diameter of rivet holes 1 1/2" Whether punched or
 drilled drilled Pitch of rivets 3-15 1/2", 3-15 1/4", 3-12 1/2" Lap of plating 5" Per centage of strength of joint Rivets 66.2 Working pressure of shell by
 rules 127.5 Thickness of shell crown plates 1 1/32" - 1 1/16" Radius of do. 4'-0" No. of stays to do. none Diameter of stays ✓ Diameter of
 furnace—Top ✓ Bottom 7'-2" Length of furnace ✓ Thickness of furnace side plates 2 3/32" Description of joint seamless Working
 pressure of furnace by rules 144 Thickness of Ogee ring 1 1/2" Working pressure of Ogee ring by rules 124.4 Thickness of furnace
 crown plates 2 3/32" Radius of do. 3'-6" Stayed by hemispheres Diameter of uptake 21 1/2" x 25" Thickness of uptake
 plates 9/16" Thickness of tube plates front 1 1/4" back 1 1/4" Mean pitch of stay tubes in nest 9.48, 8.76, 7.8 Pitch in outer vertical rows 6.374, 9.25"
 Diameter of tube holes FRONT stay 2 1/8" - 1 1/8" BACK stay 2" - 1 1/2" Working pressure of tube plates by rules F122, B196 Tubes: Material 8
 External diameter stay 2-1 1/2" plain 2 1/8", 1 7/8" Thickness stay 1 1/32" plain 1 1/32" No. of threads per inch 9 Pitch of tubes 3-18 7/8" x 3-13, 2 1/8" x 2 5/8"
 Working pressure by rules 215 Manhole compensation; Size of opening in shell plate 16" x 12" Section of compensating
 ring 28" dia. x 3 1/2" No. of rivets and diameter of rivet holes 36 - 1 1/2" Outer row pitch at ends 3.89"

For COCHRAN & CO. ANNAN, LIMITED.
The foregoing is a correct description.

W. J. H. Works Manager. Manufacturer.

Dates of Survey while building
 During progress of work in shops— 1936 Apr.: 16. 28. 30 May: 6. 14. 20. 27
 During erection on board vessel— June: 3. 5. 18
 Total No. of visits 10

Drawing No. E 33887

Is the approved plan of boiler forwarded herewith Yes.

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

This boiler has been built under special survey in accordance with the approved plan and the Society's Rules and requirements, the materials and workmanship are good.

12/6/36.

The boiler is intended for Mr. Doxford & Sons Ltd. Yard No. 628

This boiler has been securely fixed on board the vessel & examined under steam, safety valves adjusted to working pressure & accumulation test carried out satisfactorily.

For recommendation please see Nch. Lpt.

W. J. H.

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

MONTHLY ACCOUNT

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 23 JUN 1936

Assigned TRANSMIT TO LONDON

Lloyd's Register Foundation

012591-012597-0079