

REPORT ON BOILERS.

Sld. No. 34628
Sld. No. 55510

Date of writing Report 9.3.35 When handed in at Local Office 12.3.35 Port of Glasgow Received at London Office 20 MAR 1935 18 MAY 1935

No. in Survey held at Annan Date, First Survey 4.1.35 Last Survey 8.3.1935

Reg. Book. on the Boiler No 12993 M/V "KIRRIEMOOR" (Number of Visits 14) Gross 4580 Net 3032 Tons

Master Wm. Mayford & Sons Ltd. Built at Lunduland By whom built Wm. Mayford & Sons Ltd. When built 1935

Boilers made at Annan By whom made Cochran & Co. (Annan) Ltd. When made 1935

Owners Lord Runciman Shipping Co. Ltd. Port belonging to London.

VERTICAL DONKEY BOILER— No. 1 Description Cochran Manufacturers of steel Bohills 2^o

Made at Annan By whom made Cochran & Co. Annan When made 1935 Where fixed room. Working pressure 120

tested by hydraulic pressure to 230 Date of test 8.3.35 No. of Certificate 19519 Fire grate area _____ Description of safety valves 2. L. spring

No. of safety valves 2 Area of each 7.06 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 16'-9" Material of shell plates 8 Thickness 2 1/32" - 1 3/16"

Range of tensile strength 28.32 Description of riveting long. seams J.R.L. Diameter of rivet holes 1 1/32" Whether punched or drilled drilled Pitch of rivets 3.164, 3.164 Lap of plating 5" Per centage of strength of joint _____

Rivets 66.2 Working pressure of shell by rules 65.6

Thickness of shell crown plates 1 3/32", 1 1/2" Radius of do. 4'-0" No. of stays to do. none Diameter of stays _____

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 1/32" Working pressure of Ogee ring by rules 124.4 Thickness of furnace crown plates 2 3/32" Radius of do. 3'-6" Stayed by hemispherical 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, 7.92, 7" Pitch in outer vertical rows 6.374, 5.35

Diameter of tube holes FRONT stay 1 1/16" plain 2 1/16" BACK stay 1 1/2" plain 2" Working pressure of tube plates by rules B.P. 196, 196 Tubes: Material 8

External diameter stay 1 1/2" plain 2" Thickness 1 3/16" stay 1 1/32" plain 1 1/2" No. of threads per inch 9 Pitch of tubes 3.187 x 3.13, 2 1/16 x 2 5/8

Working pressure by rules 1 1/2" 146 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 1/32" Outer row pitch at ends 3.89

FOR COCHRAN & CO., ANNAN, LTD.
The foregoing is a correct description,
W. J. G. W. J. G.
GENERAL WORKS MANAGER, Manufacturer.

Dates of Survey while building { During progress of work in shops - - } 1935 Jan 4. 8. 15. 18. 22. 25. 29 Feb: 8. 18. 19. 21. 28 Mar Drawing No. E 32290

{ During erection on board vessel - - } 5. 8

Total No. of visits 14 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.

The boiler is to the order of Mr. Doxford's Yard No. 614.

12/3/35 This boiler has now been securely fixed on board the vessel, remained under steam safety valves adjusted working pressure & accumulators test carried out satisfactorily. In recommendation please see mech. Rep. *W. J. G.*

Survey Fee ... £ 4 : 4 : _____ When applied for _____ 19 _____

Travelling Expenses (if any) £ : : _____ When received _____ 19 _____

Committee's Minute GLASGOW 19 MAR 1935 FRI. 24 MAY 1935

Assigned TRANSMIT TO LONDON *See Sld. No. 31628*

Jas Cairns
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation