

REPORT ON BOILERS.

Std. No. 31608

Std. No. 55311

Received at London Office 16 JAN 1935

Date of writing Report 9-1-35 When handed in at Local Office 12-1-35 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 4-10-34 Last Survey 8-1-35
 Reg. Book. Boiler No. 12901. M/V "KINROSS" (Number of Visits 16) Tons Gross 4956 Net 3043
 on the
 Master Built at Luncarty By whom built Wm. Bayfield & Sons Ltd. When built 1935.
 Boilers made at Annan. By whom made Cochran & Co. (Annan) Ltd. When made 1935.
 Owners B. J. Sutherland & Co. Ltd. Port belonging to Newcastle.

VERTICAL DONKEY BOILER— No. 1 Description Cochran Manufacturers of steel Bolvicus L.
 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 8-1-35 No. of Certificate 19494 Fire grate area Description of safety valves A. S. L.
 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 No 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 A. R. L. Diameter of rivet holes 1 1/32" Whether punched or drilled drilled Pitch of rivets 3-16", 3-15", 2 3/8" Lap of plating 5" Per centage of strength of joint Rivets 66 Plates 65.6 Working pressure of shell by rules 125.4 Thickness of shell crown plates 32-1 1/2" Radius of do. 4'-0" No. of stays to do. none Diameter of stays 1 1/2" Diameter of furnace—Top Bottom 7'-0" Length of furnace 3'-6 1/8" Thickness of furnace side plates 23/32" Description of joints Seamless Working pressure of furnace by rules 144.1 Thickness of Ogee ring 1 1/32" Working pressure of Ogee ring by rules 124.4 Thickness of furnace crown plates 23/32" Radius of do. 3'-6" Stayed by Hemisphere Diameter of uptake 21 1/2" x 25" Thickness of uptake plates 9/16" Thickness of tube plates front 1 1/4" back 1 1/2" Mean pitch of stay tubes in nest 9-48"-8-3" Pitch in outer vertical rows 6 3/8"-5 3/4"
 Diameter of tube holes FRONT stay 2 3/16" BACK stay 2 1/2" Working pressure of tube plates by rules F126. B161 Tubes: Material 8
 External diameter stay 1 1/2" plain 1 13/16" Thickness stay 1 1/32" plain 1 1/2" No. of threads per inch 9 Pitch of tubes 2 7/8" x 2 1/16" - 3 3/16" x 3 1/8"
 Working pressure by rules 132-165 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 28" dia x 3 1/32" 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,

I. Foster
 GENERAL WORKS MANAGER

Dates of Survey while building During progress of work in shops - 1934 Oct: 4, 11, 16, 19, 24 Nov: 1, 6, 12, 20, 23, 30 Dec: 12, 18, 24 Drawing No. 20510
 During erection on board vessel - 1935 July 4, 8
 Total No. of visits 16
 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 intended for M^r. Donford & Sons L^d. Yard No. 613

This boiler has now been securely fixed on board the vessel examined under Steam & safety valves adjusted to working pressure as above. For recommendation please see Machinery Report D. H. Law.

Survey Fee ... £ 4 : 4 : 7
 Travelling Expenses (if any) £ :

When applied for 19
 When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 15 JAN 1935

Assigned TRANSMIT TO LONDON

TUE. 9 APR 1935

See J. E. Mackay

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

W1197-0156