

REPORT ON BOILERS.

Sld. No. 30440

Sld. No. 50709

Received at London Office 6 AUG 1930

Date of writing Report 19 When handed in at Local Office 5. 8. 1930 Port of GLASGOW Sld. No. 237. See telegram
 No. in Survey held at Annan Date, First Survey 14. 2. 30 Last Survey 16. 7. 30
 Reg. Book. on the M.V. "Ima" Boiler No. 11683 COMBINED WASTE HEAT & OIL FIRED (Number of Visits 15) Gross 6842 Net 4026
 Master Built at Sunderland By whom built C. D. Crawford Sons Ltd When built 1930
 Boilers made at Annan By whom made Bochran & Co. Annan Ld. Annan, Scotland When made 1930
 Owners S. M. M. M. M. M. Port belonging to Oslo

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel D. Salville & Sons Ltd

Made at Annan By whom made Bochran & Co. Annan Ld. When made 1930 Where fixed Working pressure 150

tested by hydraulic pressure to 275 Date of test 16-7-30 No. of Certificate 18774 Fire grate area 41 # Description of safety valves Enclosed Spring

No. of safety valves 2 Area of each 7.065 Pressure to which they are adjusted If fitted with easing gear Yes If steam from main boilers can

enter the donkey boiler Diameter of donkey boiler 8-6" Length 20-6" Material of shell plates Steel Thickness 1" ✓

Range of tensile strength 28-32 Description of riveting long. seams D.B.S. T.R. per pitch Diameter of rivet holes 3/32" Whether punched or

drilled drilled Pitch of rivets 6-5.83; 6-9.51 Lap of plating ✓ Per centage of strength of joint Rivets 81.6 Working pressure of shell by

rules 244.4 Thickness of shell crown plates 1 7/32; 1 1/4 Radius of do. 4-3" No. of stays to do. ✓ Diameter of stays ✓ Diameter of

furnace—Top ✓ Bottom 7-6" Length of furnace ✓ Thickness of furnace side plates ✓ Description of joint ✓ Working

pressure of furnace by rules 153 Thickness of Ogee ring 1 7/32" Working pressure of Ogee ring by rules 165 Thickness of furnace

crown plates 3/16" Radius of do. 3-9" Stayed by Hemisphere Diameter of uptake 18" x 28 1/2" Thickness of uptake

plates 9/16" Thickness of tube plates front 1 1/4" Mean pitch of stay tubes in nest 7-19" Exhaust Gas Nest Pitch in outer vertical rows 7" and 5 3/8"

Diameter of tube holes FRONT stay 2 3/4 x 1 1/16 BACK stay 2 1/2 x 1 1/2 Working pressure of tube plates by rules 168.9 Tubes: Material What Iron

External diameter stay 2 1/2 x 1 1/2 Thickness stay 1 1/4 No. of threads per inch 9 Pitch of tubes 3 1/8" x 3 1/2"

Working pressure by rules 155 Manhole compensation; Size of opening in shell plate 16 x 12" Section of compensating

ring 7" x 1 1/8" No. of rivets and diameter of rivet holes 36 off. 1 3/16" Outer row pitch at ends 4 1/8"

The foregoing is a correct description.

Bochran & Co., Annan, Limited Manufacturer.

Dates of Survey while building During progress of work in shops 1930 Feb. 14. 25 Mar 5 Apr 3. 10. 24. 29 May 7. 14 Drawing No. 17677 H.
 During erection on board vessel 22. 29 June 13. 30 July 11. 16
 Total No. of visits 15 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

survey, in accordance with the Rules and approved plan.

The materials and workmanship are good.

This boiler has been built to the order of Messrs W. Crawford & Sons Ltd, Sunderland, and is intended for their No. 608.

This boiler was examined under steam and safety valves adjusted to 155 lbs/sq. in.

M. Caldwell.

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 5 - AUG 1930

Assigned TRANSMIT TO LONDON

FRI. 22 AUG 1930

Lloyd's Register Foundation