

REPORT ON BOILERS.

No. 66791.

Date of writing Report 10 When handed in at Local Office 15.3.43 Port of Glasgow
No. in Survey held at Annan Date, First Survey 25-8-1942 Last Survey 11-3-1943
Reg. Book. on the TWIN SC. M.V. "RIPPIINGHAM GRANGE" (Number of Visits 18) Tons Gross Net
Built at Newcastle By whom built R.W. Hawthorn Leslie & Co. Ltd. Yard No. 653 When built 1943
Boilers made at Annan By whom made Buchanan & Co. Annan Ltd. Boiler No. 15462 When made 1943
Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Buchanan Manufacturers of steel Buchanan Ltd.
Made at Annan By whom made Buchanan & Co. Annan Ltd. When made 1943 Where fixed at aft Working pressure 125
tested by hydraulic pressure to 238 Date of test 11-3-43 No. of Certificate 21346 Fire-grate area 0.1 Description of safety valves ordinary
No. of safety valves 2 Area of each 7.06" Pressure to which they are adjusted 125 lb/ft² fitted with easing gear yes If steam from main boilers can
enter the donkey boiler Diameter of donkey boiler 8'-0" Length 18'-9" Material of shell plates S Thickness 21" 25"
Range of tensile strength 28-32 tons Description of riveting long. seams DR lap Diameter of rivet holes 1 1/2" Whether punched or
drilled drilled Pitch of rivets 3'-09" 3'-16" 3" Lap of plating 5" Per centage of strength of joint Rivets 67.5 Working pressure of shell by
rules 125 Thickness of shell crown plates 19" 1 1/2" Radius of do. 4'-0" No. of stays to do. - Diameter of stays - Diameter of
furnace—Top - Bottom 7'-0" Length of furnace - Thickness of furnace side plates 23" 82" Description of joint seamless Working
pressure of furnace by rules 143 Thickness of Ogee ring 1 1/2" Working pressure of Ogee ring by rules 130 Thickness of furnace
crown plates 23" 82" Radius of do. 3'-6" Stayed by hemisphere Diameter of uptake 2'-0" x 2'-3 1/2" Thickness of uptake
plates 5" 8" Thickness of tube plates front 1 1/2" back 3/32" Mean pitch of stay tubes in nest 10'-9" Pitch in outer vertical rows 9"
Diameter of tube holes FRONT stay 2 1/2" plain 2 1/2" BACK stay 2 1/2" plain 2 1/2" Working pressure of tube plates by rules F127. B 134 Tubes: Material S
External diameter stay 2 1/2" plain 2 1/2" Thickness stay 1 1/2" plain 10 L 56 No. of threads per inch 9 Pitch of tubes 4 1/2" x 3 9/16"
Working pressure by rules 175 Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating
ring 7 1/2" x 1 1/2" No. of rivets and diameter of rivet holes 40 @ 1 1/2" Outer row pitch at ends 4'-03"

The foregoing is a correct description,

L. R. S.

Manufacturer

Dates of Survey while building During progress of work in shops - 1942 Aug 25 Sep 10-30 Oct 16-27 Nov 4 Dec 4 10.17 30. 1943 Jan 14-21-28
During erection on board vessel - 24.3.18-25.4.11.
Total No. of visits 18 Drawing No. 27942 A

Is the approved plan of boiler forwarded herewith No
retained for duplicate use (B.N. 15465)

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

The materials and workmanship are good.

The boiler has been constructed under special survey. It will be sent to Newcastle to be fitted in the vessel.

This boiler has been efficiently fitted on board the above vessel.
Safety valves adjusted under steam to the above pressure.
F. D. Shilston.

Survey Fee ... £ 4 : 4 : } When applied for Mon 9/4
Travelling Expenses (if any) £ : : } When received 19

Committee's Minute GLASGOW 16 MAR 1943

Assigned Referred for completion

L. R. S.

Engineer, Surveyor to Lloyd's Register of Shipping.

TUES. 30 NOV 1943

see minute on Ave H. Rpt. Lloyd's Register Foundation

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