

REPORT ON BOILERS.

No. 66841

24 MAR 1943

Date of writing Report 10 When handed in at Local Office 22.3.43 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 6.11.42 Last Survey 17-3-1943
 Reg. Book. on the Twin Sc M.V. "RIPPIUGHAM GRANGE" (Number of Visits 13) 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 Cochran & Co Annan Ltd Boiler No. 15463 When made 1943
 Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER— No. one Description Cochran Manufacturers of steel Cochran Ltd
 Made at Annan By whom made Cochran & Co Annan Ltd When made 1943 Where fixed at after end of Engine Room Working pressure 125
 tested by hydraulic pressure to 238 Date of test 17-3-43 No. of Certificate 21355 Fire grate area 62 Description of safety valves ordinary
 No. of safety valves 2 Area of each 7.064" Pressure to which they are adjusted 125 lb/sq If steam from main boilers can enter the donkey boiler yes
 Diameter of donkey boiler 7'-6" Length 19'-6" Material of shell plates S Thickness 5" 25" 32"
 Range of tensile strength 28-32 tons Description of riveting long. seams DR Lap Diameter of rivet holes 31/32" Whether punched or drilled drilled
 Pitch of rivets 2.88" . 2.85" . 2.95" Lap of plating 4 3/4" Per centage of strength of joint Rivets 65.7 Working pressure of shell by rules 66.5
 Thickness of shell crown plates 9" 1 1/2" Radius of do. 3'-9" No. of stays to do. _____ Diameter of stays _____ Diameter of furnace—Top _____ Bottom 6'-6" Length of furnace _____ Thickness of furnace side plates 5" Description of joint seamless Working pressure of furnace by rules 134 Thickness of Ogee ring 1 1/2" Working pressure of Ogee ring by rules 132 Thickness of furnace crown plates 5" Radius of do. 3'-3" Stayed by hemisphere Diameter of uptake 20" x 23 1/2" Thickness of uptake plates 9" Thickness of tube plates front 1 1/2" back 1 1/4" Mean pitch of stay tubes in nest 10.97" Pitch in outer vertical rows 6 1/2"
 Diameter of tube holes FRONT stay 2 3/16" plain 2 1/16" BACK stay 2" plain 2" Working pressure of tube plates by rules F134 . B156 Tubes: Material S
 External diameter stay 2" Thickness stay 11/32" No. of threads per inch 9 Pitch of tubes 3 1/4" x 2 15/16" plain 2" Thickness plain 10 LSG
 Working pressure by rules 215 Manhole compensation: Size of opening in shell plate 21" x 14" Section of compensating ring 7 1/2" x 1 3/32" No. of rivets and diameter of rivet holes 40 @ 31/32" Outer row pitch at ends 4 1/8"

The foregoing is a correct description,

Carfax

Manufacturer

Dates of Survey while building { During progress of work in shops - - } 1942. Nov 6. 19. Dec 4. 10. 30 1943 Jan 14. 21. 28 Feb 3. 18. Mar 4. 11. 17 Drawing No. 27905 B
 { During erection on board vessel - - } _____
 Total No. of visits 13 Is the approved plan of boiler forwarded herewith NO
Retained for duplicate case

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.

RB
22/3/43

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

J.D. Dillston

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

Committee's Minute **GLASGOW 23 MAR 1943**
 Assigned **TRANSMIT TO LONDON**

J. Davis
 Engineer Surveyor to Lloyd's Register of Shipping.
TUES 30 NOV 1943

Lloyd's Register Foundation

002790-002797-0062