

REPORT ON BOILERS.

Std. No. 32408

Sls No. 59578

APR -6 1938

Date of writing Report 19 When handed in at Local Office 4. 4. 19 38 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 11. 11. 37 Last Survey 24-3-1938
 Reg. Book. on the new steel S/S SYLVIA BEALE (Number of Visits 14) Gross 1040 Tons Net 572
 Master Built at Sunderland By whom built S.P. Austin & Son Ltd. S/S No. 348 When built 1938
 Boilers made at Annan By whom made Buchan & Co Annan Ltd. 13852 When made 1938
 Owners Stephenson Black & Co. Associated S/S Port belonging to London

VERTICAL DONKEY BOILER— No. one Description Buchan Manufacturers of steel Buchan Ld
 Made at By whom made When made Where fixed Beith Run. Working pressure 100
 tested by hydraulic pressure to 200 Date of test 24-3-38 No. of Certificate 20139 Fire grate area 147 Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 lbs If steam from main boilers can enter the donkey boiler no. Diameter of donkey boiler 5'-3" Length 11'-9" Material of shell plates steel Thickness 1/2" 13/32"
 Range of tensile strength 28-32 Description of riveting long. seams DR lap Diameter of rivet holes 25/32" Whether punched or drilled
 Pitch of rivets 2.675" 2.625" 2.594" Lap of plating 3 7/8" Per centage of strength of joint Rivets 72.45 Plates 69.8 Working pressure of shell by rules 117 Thickness of shell crown plates 43/8" 3/8" Radius of do. 2'-7 1/2" No. of stays to do. none Diameter of stays -
 furnace—Top Bottom 4'-6" Length of furnace Thickness of furnace side plates 1/2" Description of joint Seamless Working pressure of furnace by rules 153 Thickness of Ogee ring 43/8" Working pressure of Ogee ring by rules 103.9 Thickness of furnace crown plates 1/2" Radius of do. 2'-3" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 9/16" Thickness of tube plates front 11/16" back 9/16" Mean pitch of stay tubes in nest 10.7" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 7/8" BACK stay 2 1/2" Working pressure of tube plates by rules F105.7 B 110.2 Tubes: Material Puddled iron
 External diameter stay 2 1/2" plain 2 1/4" Thickness stay 11/16" plain 11/16" No. of threads per inch 9 Pitch of tubes 4" x 3 1/16"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 6" x 5/8" No. of rivets and diameter of rivet holes 36 @ 25/32" Outer row pitch at ends 3 1/16"

The foregoing is a correct description.

T. Foster Manufacturer.

Dates of Survey while building During progress of work in shops— 1937 Nov.: 11. Dec.: 30 (1938) Jan.: 6. 13. 20. 25 Drawing No. 22991
 During erection on board vessel— Feb.: 3. 9. 16. 24 Mar.: 3. 11. 16. 24
 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.)

The materials and workmanship are good.

The boiler has been constructed under Special Survey. It is being sent to Sunderland to be fitted in the vessel

26/3/38.

This boiler has been efficiently fitted on board and its safety valves have been adjusted under steam.

L. R. Foster

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 5 - APR 1938

Assigned TRANSMIT TO LONDON

See Davis. © 2020
 Engineer Surveyor to Lloyd's Register of Shipping.
 TUE 28 JUN 1938

Lloyd's Register Foundation

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