

Std. No. 33219

REPORT ON BOILERS.

No. 62335

Received at London Office MAY 15 1940

Port of Glasgow
 Date, First Survey 13.5.40 Last Survey 9.5.1940
 (Number of Visits 11)
 Tons { Gross 5634
 Net 3308
 Survey held at Arman
 Date, First Survey 1940 Feb 9th Last Survey 9-5-1940
 on the M.V. ST. ESSYLT
 Built at Sunderland By whom built G. J. Thompson & Sons Ltd (N°600) When built 1940
 Boilers made at Arman By whom made Boehman & Co Arman Ltd (N°14744) When made 1940
 Owners South America Fruit Line Port belonging to Newport

VERTICAL DONKEY BOILER - No. one Description Boehman Manufacturers of steel Steel Co of Scotland Ltd
 Made at as above By whom made Boehman When made 1940 Where fixed Main Eng. Rm. Working pressure 105 lbs
 Tested by hydraulic pressure 208 Date of test 9-5-40 No. of Certificate 20565 Fire grate area 16.750 Description of safety valves Enslaved spring
 No. of safety valves 2 Area of each 3.14" Pressure to which they are adjusted 105 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no
 Diameter of donkey boiler 5-6" Length 14-0" Material of shell plates steel Thickness 7/16", 1/2"
 Range of tensile strength 28-32 tons Description of riveting long. seams UR Lap Diameter of rivet holes 25/32" Whether punched or drilled drilled
 Pitch of rivet 2.69", 2.55", 2.5" Lap of plating 3 1/2" Per centage of strength of joint Rivets 66.7 Working pressure of shell by Plates 68.7
 Thickness of shell crown plates 13/32", 23/32" Radius of do. 2-9" No. of stays to do. 117 Diameter of stays 1 1/2" Diameter of furnace - Top 4-9" Bottom 4-9" Length of furnace 14-0" Thickness of furnace side plates 1/2" Description of joint Seamless Working pressure of furnace by rules 144 Thickness of Ogee ring 23/32" Working pressure of Ogee ring by rules 114 Thickness of furnace crown plates 1/2" Radius of do. 2-4 1/2" Stayed by hemisphere Diameter of uptake 13 x 19 1/2" Thickness of uptake plates 9/16" Thickness of tube plates front 3/4" back 19/32" Mean pitch of stay tubes in nest 10-5" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/8" BACK stay 2 1/2" Working pressure of tube plates by rules F109.3111 Tubes: Material steel
 External diameter stay 2 1/2" plain 2 1/8" Thickness stay 11/32" plain 10/64" No. of threads per inch 9 Pitch of tubes 4 x 5 1/2"
 Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 21 x 17" Section of compensating ring 7" x 1" No. of rivets and diameter of rivet holes 40 @ 25/32" Outer row pitch at ends 4"

The foregoing is a correct description,

Signature: W. R. Ex. Manufacturer: Boehman & Co Arman Ltd

Dates { During progress of work in shops - 1940 Feb. 9, 20, 28 Mar. 14, 29
 Survey while building { During erection on board vessel - Apr. 4, 11, 18, 25 May 2, 9
 Total No. of visits 11 Drawing No. 25171
 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.
To the order of Messrs Richardson's Westgarth & Co Ltd (N°-H 2695)
The boiler will be sent to Sunderland to be fitted in the vessel.
This boiler has been efficiently fitted on board and its safety valves have been adjusted under steam. R. Home

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 14 MAY 1940
 Assigned TRANSMIT TO LONDON

Signature: Sh. Davis
 Engineer Surveyor to Lloyd's Register of Shipping.
 Date: 17 OCT 1941
 Std. No. 33219

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