

Rpt. 5e.

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18 FEB 1944
IN D.O.

REPORT ON BOILERS.

No. 68114

28 AUG 1944

17 FEB 1944

Date of writing Report 19... When handed in at Local Office 14 2 19 44 Port of GLASGOW
 No. in Survey held at ANNAN 9 Hull Date, First Survey Nov. 26th, 1943. Last Survey 8th February, 1944.
 Reg. Book. "VIC 83" A/MS 941 (Number of Visits 7) (Gross Tons) (Net Tons)
 on the THORNE. Richard Dunston & Co. Ltd. Yard No. T 511 When built 1944
 Built at ~~St. Yarmouth~~ By whom built ~~Grabtree (1931) Ltd.~~
 Boilers made at ANNAN By whom made Cochran & Co. Annan Ltd Boiler No. X.T.11155 When made 1944
 Owners The Admiralty M.O.W.T. Port belonging to

VERTICAL DONKEY BOILER— No. One Description Cross tube Manufacturers of steel Colvilles, Ltd.
 Made at Annan By whom made Cochran & Co. Annan Lt. When made 194 Where fixed Working pressure 120
 tested by hydraulic pressure to 230. Date of test 8.2.44 No. of Certificate 21652 Fire grate area 22.5 sq. ft. Description of safety valves Ordinary
 No. of safety valves 2 Area of each 3.14 sq. ft. Pressure to which they are adjusted 120 lb If fitted with easing gear yes If steam from main boilers can enter the donkey boiler -- Diameter of donkey boiler 6'3" Length 14'6" Material of shell plates S Thickness 1/2"
 Range of tensile strength 28-32 tons Description of riveting long. seams D.R. lap Diameter of rivet holes 27/32" Whether punched or drilled drilled Pitch of rivets 2.65" 2.67" Lap of plating 4 1/2" Per centage of strength of joint Rivets 68.7 Plates 68.4 Working pressure of shell by rules 132 Thickness of shell crown plates 25/32" Radius of do. 6'2" No. of stays to do. -- Diameter of stays -- Diameter of furnace—Top 5'1 1/2" Bottom 5'5" Length of furnace 6'8 1/2" Thickness of furnace side plates 5/8" Description of joint Elec. Weld Working pressure of furnace by rules 131 Thickness of Ogee ring -- Working pressure of Ogee ring by rules -- Thickness of furnace crown plates 13/16" Radius of do. 5'0" Stayed by uptake Diameter of uptake 1'9" Thickness of uptake plates 5/8" Thickness of tube plates front -- back -- Mean pitch of stay tubes in nest -- Pitch in outer vertical rows --
 Diameter of tube holes FRONT stay -- plain -- BACK stay -- plain -- Working pressure of tube plates by rules -- Tubes: Material S
 External diameter stay -- plain 12 1/2" Thickness stay -- plain 7/16" No. of threads per inch Welded in Pitch of tubes 20 1/2"
 Working pressure by rules 120" Manhole compensation; Size of opening in shell plate 16" x 20 1/2" Section of compensating ring 7 x 1.1/16" No. of rivets and diameter of rivet holes 48 @ 27/32" Outer row pitch at ends 3.34"
 For COCHRAN & CO., ANNAN, LTD.
 The foregoing is a correct description, GMB
 Technical Sales Manager Manufacturer

Dates of Survey while building (During progress of work in shops - 1943: Nov. 26, Dec. 9, 17, 1944: Jan. 14, 28, Feb. 4, 8, Drawing No. 27093A.)
 (During erection on board vessel -)
 Total No. of visits 7. 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 and in accordance with Admiralty Specification, for a 66'0" steam puffer.
 The boiler will be sent to Great Yarmouth to be fitted in the vessel.
 Fitted onboard, examined under steam and safety valves adjusted under steam to flow off at 120 lb pm sq. inch. Washer P. 1/4" S. 1/4".
 Vessel - not to be classed.
 Geo. A. Lang
 Hull. 13 July, 1944.

Survey Fee ... £ 4. : 4. :- } When applied for Mon 4/19
 Specification ... £ 1. : 1. :- } When received 19
 Travelling Expenses (if any) £ : : }

L. C. Davis 2020
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 15 FEB 1944
 Assigned Transmit to Wokingham

Lloyd's Register Foundation

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