

REPORT ON BOILERS.

Date of writing Report 19 When handed in at Local Office 2. 4. 1943 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 4. 2. 43 Last Survey 26-3-1943
 Reg. Book. "CHINESE PRINCE" (Number of Visits 3) Gross 9485
 on the Tons Net 5752
 Built at Sunderland By whom built J.P. Thompson & Sons Ltd. Yard No. 625 When built 1943.
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd. Boiler No. 15610 When made 1943
 Owners Prince Line, Ltd. Port belonging to London

VERTICAL DONKEY BOILER— No. one Description Cochran Manufacturers of steel Cochran & Co. Ltd.
 Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1943 Where fixed E. Room (Starling platform) Working pressure 125
 tested by hydraulic pressure to 238 Date of test 26-3-43 No. of Certificate 21366 Fire grate area oil Description of safety valves ordinary
 No. of safety valves 2 Area of each 4.90" Pressure to which they are adjusted 120 If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler Diameter of donkey boiler 7'-6" Length 18'-6" Material of shell plates S Thickness 5" 25"
 Range of tensile strength 28-32ton Description of riveting long. seams WR lap Diameter of rivet holes 31" 32" Whether punched or
 drilled drilled Pitch of rivets 2.88" 3.03" 2.97" Lap of plating 4 3/4" Per centage of strength of joint Rivets 65.1 Working pressure of shell by
 rules 125.7 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" 8" 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" 8" Radius of do. 3'-3" Stayed by Hemisphere Diameter of uptake 20" x 23 3/8" Thickness of uptake
 plates 9" 16" Thickness of tube plates front 1 5/32" back 1 1/16" Mean pitch of stay tubes in nest 10.42" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F133 B143 Tubes: Material S
 External diameter stay 2 1/2" plain 2 1/2" Thickness stay 11" 32" plain 10.56 No. of threads per inch 9 Pitch of tubes 4" x 39"
 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 @ 31/32 Outer row pitch at ends 4.12"

The foregoing is a correct description,

E. Rex

Manufacturer

Dates of Survey while building { During progress of work in shops - 1943 Feb 4 Mar 4.26
 { During erection on board vessel - - -
 Total No. of visits 3

Drawing No. 28511

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 - to the order of Messrs
 Wm Worsfold & Son Ltd for their engine N^o 232.
 The boiler will be sent to Sunderland to be fitted in the vessel.

This boiler has been securely fixed on board
 the vessel & safety valves adjusted to working pressure.
 In recommendation please see heading Rpt.

M. H. H. H.

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

Committee's Minute GLASGOW 6 APR 1943

Assigned Reported for completion

Sh Davis

Engineer Surveyor to Lloyd's Register of Shipping.

TUES. 16 NOV 1943

see minute
 in Sld J.S. Rpt.

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 Foundation

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