

REPORT ON BOILERS.

No. 54822

28 AUG 1934

Date of writing Report 17-7-34 When handed in at Local Office 3. 8. 1934 Port of Glasgow
 No. in Survey held at Amman Date, First Survey 8. 5. 34 Last Survey 10-7-1934
 Reg. Book. 29608 on the Boiler No. 12773 S/S HAI YUAN (Number of Visits 10) Gross Tons Net
 Master JTM Built at Newcastle By whom built Swan Hunter & Wigham Richardson When built 1934
 Boilers made at Newcastle By whom made H. When made
 Owners China Merchants Steam Nav Co. Port belonging to Newcastle

VERTICAL DONKEY BOILER— No. 12773 Description Cochran Manufacturers of steel Steel C. of S. land
 Made at Amman By whom made Cochran & Co. Amman When made 1934 Where fixed Stokehold Working pressure 100
 tested by hydraulic pressure to 200 Date of test 10-7-34 No. of Certificate 19415 Fire grate area 416 Description of safety valves direct spring loaded.
 No. of safety valves 2 Area of each 7.07 sq. Pressure to which they are adjusted 100 lb If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Diameter of donkey boiler 8'-6" Length 17'-0" Material of shell plates S Thickness 19/32" - 23/32"
 Range of tensile strength 28-32 Description of riveting long. seams J.R.L. Diameter of rivet holes 3 1/32" Whether punched or
 drilled drilled Pitch of rivets 3.034, 3.062. Lap of plating 4 3/4" Per centage of strength of joint Rivets 66.7 Plates 68.1 Working pressure of shell by
 rules 107 Thickness of shell crown plates 1 5/8" - 1 7/8" Radius of do. 4'-3" No. of stays to do. none Diameter of stays Diameter of
 furnace—Top Turnip Bottom Length of furnace Thickness of furnace side plates 2 1/2" Description of joint seamless Working
 pressure of furnace by rules 122 Thickness of Ogee ring 1 1/8" Working pressure of Ogee ring by rules 131.8 Thickness of furnace
 crown plates 2 1/2" Radius of do. 3'-9" Stayed by Turnip Diameter of uptake 28 1/2" x 18 Thickness of uptake
 plates 9/16" Thickness of tube plates front 15/16" back 29/32 Mean pitch of stay tubes in nest 12 3/8" Pitch in outer vertical rows 8 1/2"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F102.2, B106.3 Tubes: Material Iron
 External diameter stay 2 1/2" Thickness stay 1 1/32" No. of threads per inch 9 Pitch of tubes 4 1/4" x 3 9/16"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating
 ring 28" dia x 7/8" No. of rivets and diameter of rivet holes 36 - 3 1/32" Outer row pitch at ends 3.9"

The foregoing is a correct description,

FOR COCHRAN

T. Forster

Manufacturer.

Dates of Survey while building
 During progress of work in shops - -
 During erection on board vessel - -
 Total No. of visits 10

1934 May: 8. 24. 29 June: 5. 8. 14. 21. 28 July: 3. 10

Drawing No. E31562

Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been built under special survey in accordance with the approved plan and the Society's Rules and requirements the materials and workmanship are good.

Fitted on board & Tested under steam

S. J. Hoddart

The boiler is to the order of Swan Hunter & Wigham Richardson, Yard No. 1456.

Survey Fee ... £ 4 : 4 :
 Travelling Expenses (if any) £ : :

When applied for 19
 When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 7-AUG 1934

Assigned TRANSMIT TO LONDON

FRI.

Engineer Surveyor to Lloyd's Register of Shipping.

See Note.

F.B. 91707

Lloyd's Register Foundation