

REPORT ON BOILERS.

No. 67270

Date of writing Report 19 24. 6 19 43 When handed in at Local Office Port of Glasgow
 No. in Survey held at Annan Date, First Survey 27. 10. 42 Last Survey 16-6-1943
 Reg. Book. on the TWIN S.C. M.V. "CONDOR" (Number of Visits 21)
 Built at Newcastle By whom built Hawthorn Leslie & Co Ltd YARD No. 655
 Boilers made at Annan By whom made Cochran & Co Annan Ltd Boiler No. 15466-7 When built 1943
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. Two Description Cochran Manufacturers of steel Cochran Ltd
 Made at Annan By whom made Cochran & Co Annan Ltd. When made 1943 Where fixed AT AFTER END
 tested by hydraulic pressure to 238 Date of test BLR No. 15466-30-4-43-21400 Fire grate area 125 Description of safety valves ordinary
 No. of safety valves 2 Area of each 7.06 Pressure to which they are adjusted 125 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler
 Diameter of donkey boiler 7'-6" Length 19'-6" Material of shell plates S Thickness 5" 25" 31" 82
 Range of tensile strength 28-32 Description of riveting long. seams W.R. Lap Diameter of rivet holes 82 Whether punched or drilled drilled Pitch of rivets 2-88" 2-85" 2-95" Lap of plating 4 3/4" Per centage of strength of joint Rivets 65.7 Working pressure of shell by rules 127.5 Thickness of shell crown plates 9/16 1 1/32 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 beamless Working pressure of furnace by rules 134 Thickness of Ogee ring 1 1/32 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 1/2" Thickness of uptake plates 9/16 Thickness of tube plates front 1 1/32 back 1 1/16 Mean pitch of stay tubes in nest 10.97" Pitch in outer vertical rows 6 1/2"
 Diameter of tube holes FRONT stay 2 3/16 plain 2 1/16 BACK stay 2" plain 2" Working pressure of tube plates by rules F134, B156 Tubes: Material S
 External diameter stay 2" Thickness stay 3/32 No. of threads per inch 9 Pitch of tubes 3 1/4" x 2 15/16
 Working pressure by rules 215 Manhole compensation: Size of opening in shell plate 21" x 14" Section of compensating ring 7 1/2" x 1 1/32 No. of rivets and diameter of rivet holes 40 @ 3 1/32 Outer row pitch at ends 4 7/8"

The foregoing is a correct description,

Laker

Manufacturer

Dates of Survey while building
 During progress of work in shops 1942 Dec 27, Mar 6, 15, Apr 4, 10, 30, 1943 Jan 14, 21, 28 Feb 3, 11, 18 Mar 4, 26, 31 Apr 9, 16, 22, 30
 During erection on board vessel May 14, Jun 16
 Total No. of visits 21

Drawing No. 27905 B

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 boilers have been constructed under special survey. They will be sent to the Tyne to be fitted in the vessel.

These Boilers have been efficiently fitted on board the above Vessel and the Safety Valves afterwards adjusted under steam to the above pressure

J. E. Martin
17-4-44

Survey Fee ... £ 8 : 8 :
 Travelling Expenses (if any) £ : :
 When applied for 19
 When received 19

Committee's Minute GLASGOW 29 JUN 1943

Assigned Deputed for Completion

L. E. Davis
 Engineer Surveyor to Lloyd's Register of Shipping.
 THURS 4 MAY 1944

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