

28 JUL 1930

Bel. 10. + 27.

REPORT ON BOILERS.

No. 50123

Received at London Office 12 FEB 1930

Date of writing Report

19

When handed in at Local Office

8. 2. 1930

Port of GLASGOW

No. in Survey held at
Reg. Book.

84465 on the

Master

Boilers made at

Owners SILVER LINE (STANLEY & JOHN THOMPSON LD. MGRS.)

Built at BELFAST

By whom built HARLAND & WOLFF LTD.

When built 1930

By whom made Messrs Cochran & Co. Annan & L. Sutherland

When made 1930

Port belonging to LONDON.

VERTICAL DONKEY BOILER—

No. One

Description Vertical

Manufacturers of steel J. Belville & Sons Ltd.

Made at Annan By whom made Cochran & Co. Annan & L. Sutherland When made 1930 Where fixed MOTOR ROOM.

Working pressure 150

tested by hydraulic pressure to 275. Date of test 31-1-30 No. of Certificate 8597 Fire grate area 31.56 Description of safety valves Enclosed spring

No. of safety valves 2 Area of each 4.90 Pressure to which they are adjusted 150 lbs If fitted with easing gear Yes If steam from main boilers can

enter the donkey boiler No Diameter of donkey boiler 7'-6" Length 18'-9" Material of shell plates Steel Thickness 25/32" 31/32" 25/32"

Range of tensile strength 28-32 Description of riveting long. seams D.R. Lap Diameter of rivet holes 13/16" Whether punched or

drilled drilled Pitch of rivets 3'-6" 2'-3" 5'-8" 3'-4" 6" Lap of plating 5'-3/4" Per centage of strength of joint Rivets 64.5 Working pressure of shell by

rules 158.8 Thickness of shell crown plates 1/8" Radius of do. 3'-9" No. of stays to do. 1 Diameter of stays 1" Diameter of

furnace—Top 1" Bottom 6'-6" Length of furnace 1' Thickness of furnace side plates 1" Description of joint 1" Working

pressure of furnace by rules 155 Thickness of Ogee ring 1/8" 23/32" Working pressure of Ogee ring by rules 158.8 Thickness of furnace

crown plates 23/32" Radius of do. 3'-3" Stayed by Hemisphere Diameter of uptake 21 1/2" x 25" Thickness of uptake

plates 9/16" Thickness of tube plates front 1 1/32" back 1 1/4" Mean pitch of stay tubes in nest 12-17" Pitch in outer vertical rows 7-8 7/16"

Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules 152.5 Tubes: Material Hot Iron

External diameter stay 2 1/2" plain 2 9/16" Thickness stay 1/32" plain 10 L 56 No. of threads per inch 9 Pitch of tubes 39/16" x 3.937"

Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating

ring 6 1/2" x 1 3/32" No. of rivets and diameter of rivet holes 36 off 13/16" Outer row pitch at ends 3-9 6/16"

The foregoing is a correct description,

THE COCHRAN & CO. ANNAN, LIMITED

J. E. Woodham

Manufacturer.

Dates of Survey while building { During progress of work in shops - - } 1929 Nov. 22 Dec 19 (1930) Jan 10 24 31
{ During erection on board vessel - - }
Total No. of visits 5

Drawing No. 17031

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 survey in accordance with the Rules and approved plan.

The materials and workmanship are good.

This boiler has been built to the order of Messrs Harland & Wolff Ltd. Belfast, and is intended for their N° 883.

This boiler has been efficiently fastened on a seat on the tank top at the starboard forward side of the motor room. The safety valves were adjusted under steam to 150 lbs. The boiler is oil-fired. Accumulation did not exceed 5 lbs.

R. E. Annan
Belfast.

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

When applied for 19...
When received 19...

MONTHLY ACCOUNT

Committee's Minute GLASGOW
Assigned TRANSMIT TO LONDON

11 FEB 1929

WED. 6 AUG 1930

See Bel. J.E. 1042

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

005470-005479-0139