

pt. V5eD

MAY 1950

D.O.

Date of writing Report

When handed in at Local Office

Port of

GLASGOW

27 APR 1950

No. 45402

No. in Survey held at

Annan

Date, First Survey

13 Oct 1949

Last Survey

6 April

1950

Reg. Book

on the

T.E.S. "SAN SALVADOR"

(Number of Visits)

Tons

Gross 10802

Net 6035

Yard No.

445

Built at Haverton Hill on

By whom built Furness S.B. Co., Ltd.,

When built

Boilers made at

Annan

Tees

By whom made Cochran & Co. Annan

Boiler No. 18303

When made 1950

Owners

Port belonging to

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel Colvilles Ltd.,
Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1950 Where fixed Working pressure 150 lb./sq.in.
tested by hydraulic pressure to 283 lb./sq.in. Date of test 6.4.50 No. of Certificate 23093 Fire grate area OF Description of safety valves double spring
No. of safety valves 2 Area of each 7.06 sq.in. Pressure to which they are adjusted 155.46 If fitted with easing gear yes If steam from main boilers can enter the donkey boiler
Diameter of donkey boiler 8'-6" Length 20'-3" Material of shell plates steel Thickness 1.1/32 25/32
Range of tensile strength 28-32 Description of riveting long. seams D.R. Lap Diameter of rivet holes 1.3/16" Whether punched or drilled drilled Pitch of rivets 3.335" Lap of plating 5 3/4" Per centage of strength of joint Rivets 52.89 Working pressure of shell by rules 155.2 lb./sq.in. Thickness of shell crown plates 5/8" 1.7/Radius of do. 4'-3" No. of stays to do. none Diameter of stays - Diameter of furnace—Top - Bottom 7'-6" Length of furnace - Thickness of furnace side plates 27/32" Description of joint seamless Working pressure of furnace by rules 158.9 lb./sq.in. Thickness of Ogee ring 1.7/32" Working pressure of Ogee ring by rules 165 lb./sq.in. Thickness of furnace crown plates 27/32" Radius of do. 3'-9" Stayed by hemisphere Diameter of uptake 23 1/4" x 26 1/4" Thickness of uptake plates 5/8" Thickness of tube plates front 1.5/16" back 1.1/8" Mean pitch of stay tubes in nest as approved Pitch in outer vertical rows 9.596"
Diameter of tube holes FRONT 2.11/16 BACK 2.9/16 Working pressure of tube plates by rules F. 183.1 lb./sq.in. Tubes: Material steel
stay 2 1/2" plain 2 1/2" stay 11/32 plain 10 LSG No. of threads per inch 9 Pitch of Tubes 3.688" x 4.798"
External diameter 2 1/2" Thickness 10 LSG
Working pressure by rules 215 lb./sq.in. Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating ring 8 1/2" x 1.1/16" No. of rivets and diameter of rivet holes 40 @ 1.3/16" Outer row pitch at ends 4.28"

The foregoing is a correct description,

FOR COCHRAN & CO. ANNAN LTD.

Dates of Survey while building
During progress of work in shops 1949 Oct 13-20, 24 Nov 3-10, 16-24 Dec 1-8, 15-22, 29 1950 Jan 19-26 Feb 2-9
During erection on board vessel 23 Mar 2-9, 16-23-30 Apr 6
Total No. of Visits
Drawing No. 34419
Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under Special Survey in accordance with the Society's Rules and approved plans. Materials and workmanship are good. The boiler has been despatched to Furness S.B. Co. Ltd. for installing in their yard No 445.

This boiler has now been securely fitted on board, the SV's adjusted under steam 6.15.50 & tried out under working conditions found satisfactory.

G. Norman Stuart.

Survey Fee ... £ 10 : - : MONTHLY ACCOUNT
Travelling Expenses (if any) £ : : : When applied for 19
When received 19

Committee's Minute

GLASGOW 26 APR 1950

Assigned

Deferred for comp.

See F.E. mch. rpt.

Engineer Surveyor to Lloyd's Register of Shipping.
FRI. 9 FEB 1951

Lloyd's Register Foundation

005321-005324-0041