

-4 APR 1932

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REPORT ON BOILERS.

No. 51939

Date of writing Report 22/3 1932 When handed in at Local Office 16-11-1931 Port of Glasgow
 Received at London Office 18 NOV 1931
 No. in Survey held at Annan Date, First Survey 3/12 Last Survey 13-11-1931
 Reg. Book. 1766 on the BOILER No 12142 M/S "PETER MERSE" (Number of Visits 7) Tons {Gross 5339.40
 Net 3340.73
 Master _____ Built at Odense By whom built Odense Staalskibsværkt When built 1931-2
 Boilers made at Annan By whom made Cochran & Co Annan Ltd When made 1931
 Owners M/S "SVENDBORG" OG "D/S AF 1912, 9/S" Port belonging to Lopubay

VERTICAL DONKEY BOILER - No. one Description Cochran Vertical Manufacturers of steel boilers Ltd.
 Made at _____ By whom made _____ When made _____ Where fixed in the motor room Working pressure 100 lb
 Tested by hydraulic pressure to 200 Date of test 13-11-31 No. of Certificate 19051 Fire grate area 14.5 Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 lbs If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler no Diameter of donkey boiler 5'-3" Length 13'-6" Material of shell plates steel Thickness 1/2" 13/32"
 Range of tensile strength 28-32 Description of riveting long. seams lap WR Diameter of rivet holes 25/32" Whether punched or
 drilled drilled Pitch of rivets 2.594 25/8 2.675 Lap of plating 3 7/8" Per centage of strength of joint Rivets 72.4 Working pressure of shell by
 rules 117 Thickness of shell crown plates 3/8" Radius of do. 2-7 1/2" No. of stays to do. _____ Diameter of stays _____
 Furnace - Top _____ Bottom 4'-6" Length of furnace _____ Thickness of furnace side plates 1/2" Description of joint seamless Working
 pressure of furnace by rules 153 Thickness of Ogee ring 43/64" Working pressure of Ogee ring by rules 103 Thickness of furnace
 crown plates 1/2" Radius of do. 2'-3" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake
 plates 1/2" Thickness of tube plates front 11/16" back 9/16" Mean pitch of stay tubes in nest 10.7" 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 1105.810 Tubes: Material Lap welded Mild Steel
 External diameter stay 2 1/2" plain 2 9/16" Thickness stay 11/32" plain 11/32" No. of threads per inch 9 Pitch of tubes 3 1/16" x 4"
 Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 16" x 12" Section of compensating
 ring 6" x 7 3/8" No. of rivets and diameter of rivet holes 36 @ 25/32" Outer row pitch at ends 3 1/16"

FOR COCHRAN & CO., ANNAN, LT
 The foregoing is a correct description,
 W. Alex. GENERAL WORKS MANAGER, Manufacturer.

Dates of Survey while building { During progress of work in shops - - } Drawing No. 19084
 { During erection on board vessel - - } 3/12, 10/12 1931, 4/1, 29/1, 5/2, 16/2, 4/3 1932
 { Total No. of visits } Surveyor on regular attendance
 minimum four visits. 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 boiler has been constructed under special survey in accordance with the Rules.
Made to the order of Messrs Odense Staalskibsværkt Odense, for their vessel No. 45.
This donkey boiler has been fitted and connected complete on board the vessel in accordance with the Society's Rules and under the supervision and to the satisfaction of the undersigned. On completion the boiler was tested under working condition and found good and the safety valves adjusted under steam to 100 lbs per sq. in.
For feeding purposes a 115 x 70 x 100 rpm duplex feed pump and an injector have been fitted.
Recommend the vessel to have notation of D.B. 100 LB. in the Register Book.

Survey Fee £ 4 : 4 : - When applied for 19.....
 Travelling Expenses (if any) £ : : : When received 19.....
 Committee's Minute GLASGOW 17 NOV 1931
 Assigned TRANSMIT TO LONDON
 FRI. 8 APR 1932
 W208-0111

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[Faint handwritten notes and calculations, possibly related to electrical measurements or costs.]

Assume oil fund
HS
 $\frac{250 \times 1.5}{115} = 3.26$
Prp 6.28 ✓

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Lloyd's Register
Foundation



RFD

Rpt. 13.

Date of writing

No. in Ser

Reg. Book.

4766 on

Built at

Owners

Electric Light

Is the Vessel

System of D

Pressure of su

Direct or Altit

If attending c

Has the Anton

Generators, a

are they over co

Where more tha

Are all terminal

short circuited,

Position of G

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if situated near

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Earthing, are

their respective

Main Switch

a fuse on each in

Switchboards,

are they protecte

woodwork or oth

bars

Main Switch

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Switches, direct

Joint Boxes S