

-4 APR 1932

REPORT ON BOILERS.

No. 51939

Received at London Office 18 NOV 1931
 Date of writing Report 22/3 1932 When handed in at Local Office 16-11-1931 Port of Glasgow
 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 Buchanan & Co Annan Ltd When made 1931
 Owners A/S "SVENDBORG" OG "D/S AF 1912, 9/S" Port belonging to Copenhagen

VERTICAL DONKEY BOILER— No. one Description Buchanan Vertical Manufacturers of steel Buchanan 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 19084 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 2.59 2.58 2.57 Lap of plating 3 3/8 Per centage of strength of joint Rivets 72.4 Plates 69.8 Working pressure of shell by rules 117 Thickness of shell crown plates 3/8 3/4 Radius of do. 2'-7 1/2 No. of stays to do. — Diameter of stays — Diameter of 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 1/2 plain 2 1/2 BACK stay 2 1/2 plain 2 1/2 Working pressure of tube plates by rules 1105.840 Tubes: Material Lap welded Mild Steel
 External diameter stay 2 1/2 plain 2 1/2 Thickness stay 11/16 plain 11/16 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 1/2" 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,
 E. Alex. GENERAL WORKS MANAGER Manufacturer.

Dates of Survey while building { During progress of work in shops - - - 3/12, 16/12 1931, 4/1, 29/1, 5/2, 16/2, 4/3 1932
 During erection on board vessel - - - Surveyor on regular attendance
 Total No. of visits minimum four visits Is the approved plan of boiler forwarded herewith yes
 Drawing No. 19084

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 mm 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
 Lloyds Register Foundation
 W208-0111

88 P. 5.00

REPT. ON BOLLERS

1881-11-51

Revised

manuscript

SAISI 21 921108

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Lloyd's Register
Foundation

REI

Rpt. 13.

Date of writing

No. in Set

Reg. Book.

41766 on

Built at

Owners

Electric Light

Is the Vessel

System of D

Pressure of su

Direct or Alt

If attending c

Has the Auton

Generators, a

are they over co

Where more tha

series with each

Are all terminal

short circuited,

Position of G

is the ventilation

if situated near

are their axes o

Earthing, are

their respective

Main Switch

a fuse on each in

Switchboards,

are they protected

woodwork or oth

are they constru

permanently high

with mica or nic

and is the frame

bars

Main Switch

pat. circuit

Joint Boxes S

Switches, Circ

Earth Testing

Instruments o

Joint Boxes S

Switches, Circ

Earth Testing

Instruments o

Joint Boxes S

Assume oil fund

$$\begin{array}{r} 45 \\ 250 \times 1.5 \\ \hline 115 \end{array} = 3.26$$

Prp 6.28 ✓