

Newcastle-on-Tyne No. 97503

REPORT ON BOILERS.

No. 60385

NOV 9 1938

Writing Report 19 When handed in at Local Office 7.11.1938 Port of Glasgow
 Survey held at Renfrew. S.A.D. Date, First Survey 8:12:37 Last Survey 1-11-1938
 on the Clarkson Composite Boiler Type Batog, 2000. (Number of Visits 16) Tons {Gross 11030
 Built at Newcastle By whom built Swan Hunter No 1572. When built M.V. SOBIESKI
 made at Renfrew. By whom made Babcock & Wilson When made 1938.
 Port belonging to Gdynia

Clarkson 73/4669 Description Thimble Tube. Manufacturers of steel BColville & Sons Ltd
Renfrew By whom made Babcock & Wilson Ltd When made 1938 Where fixed Working pressure 100 lb
 by hydraulic pressure to 200 Date of test 23/8/38 No. of Certificate 20253 Fire grate area 28/32 Description of safety valves Double spring
 safety valves 2 Area of each 15.97 Pressure to which they are adjusted 100 lb If fitted with easing gear Yes If steam from main boilers can
 the donkey boiler Diameter of donkey boiler 7'-6 3/8" Length 21'-6" Material of shell plates Steel Thickness 1 1/16"
 of tensile strength 28/32 Description of riveting long. seams Natural D.R.-D.B.S. Diameter of rivet holes 1 1/32" Whether punched or
drilled Pitch of rivets 4 9/16" Lap of plating ~ Per centage of strength of joint 72.2 Working pressure of shell by
100 lb Thickness of shell crown plates 13/16" Radius of do. 6'-6" No. of stays to do. 19/16 Diameter of stays 1 1/16" Diameter of
late Top 4'-9 1/16" Bottom 4'-9 1/16" Length of furnace 10'-1 1/8" Thickness of furnace side plates 1 1/16" Description of joint Weld Working
 re of furnace by rules Thickness of Ogee ring 1 1/16" Working pressure of Ogee ring by rules 100 lb Thickness of furnace
plates 7/8" Radius of do. 4'-0" Stayed by - Diameter of uptake 2'-6 1/4" Thickness of uptake
5/8" Thickness of tube plates 1 1/16" Mean pitch of stay tubes in nest - Pitch in outer vertical rows -
 Inner 4" BACK stay 3 1/4" Working pressure of tube plates by rules 100 lb Tubes: Material S.D.S.
Outer 4" 3 1/4" 9 gauge No. of threads per inch end Pitch of tubes Inner 7.06" x 4 3/8"
Inner 4" 3 1/4" 9 gauge No. of threads per inch end Pitch of tubes Outer 6 3/4" x 3 3/4"
Outer 4" 3 1/4" 9 gauge No. of threads per inch end Pitch of tubes Outer 6 3/4" x 3 3/4"
 ing pressure by rules 100 lb Manhole compensation: Size of opening in shell plate 16" x 12" flange 3 1/8" Section of Hand Hole
3" x 3 1/4" No. of rivets and diameter of rivet holes 8 - 1 1/32" Outer row pitch at ends even.

The foregoing is a correct description,

Babcock & Wilson, Ltd. Manufacturer.

During progress of work in shops- 1937 Dec: 8-16 (1938) Jan: 25 Mar: 10-29 Apr: 19-27 Drawing No. 3835
 During erection on board vessel - May 2-11 June: 17-21 Aug: 23 Sep: 2 Oct: 5-14 Nov: 1
 Total No. of visits 16 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 special survey, to approved plans in accordance with the Society's Rules. Materials and workmanship are good. It is intended for M^{rs} Swan Hunter Wigham Richardson's Yard No 1542. — "Twin Se. M.V. SOBIESKI."

This boiler has been fitted in the E.R. Casings on "C" Deck level.

The Safety Valves were adjusted to 100 lbs/sq. and Easing Gear is fitted.

The accumulation test using Waste Exh. Gas combined with oil fuel was satisfactory.

A. Watt

Newcastle on Tyne
25/5/39.

Survey Fee ... £ 8/8/0
 Travelling Expenses (if any) £ :

When applied for 8 - NOV 1938
 When received 3 Jan 1939

H. Litherst

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW
 Assigned TRANSMIT TO LONDON

8 - NOV 1938

WED 31 MAY 1939

Old Nwc. 76. 97503Lloyd's Register
Foundation

008446-008454-0053