

REPORT ON WATER TUBE BOILERS.

No. 48106

Received at London Office

23 AUG 1928

8 APR 1929

Report 191 When handed in at Local Office 191 Port of Glasgow
 Survey held at Penfins Date, First Survey 20/10/27 Last Survey 4/6/1928
 on the S. S. STATENDAM Number of Visits 24 Gross Tons }
 Net Tons }
 Built at _____ By whom built _____ When built _____
 Made at _____ By whom made _____ When made _____
 Made at Penfins By whom made Messrs Babcock & Wilcox Ltd When made 6/12/25
 Horse Power _____ Owners _____ Port belonging to _____

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

For Record S Date of Approval of plan 28/9/27 (Leades & Muddrums) Number and Description or Type
6 Babcock & Wilcox Type Working Pressure 430 lbs Tested by Hydraulic Pressure to _____ Date of Test _____

Can each boiler be worked separately _____ Total Heating Surface of Boilers _____
 Draught fitted _____ Area of fire grate (coal) in each Boiler _____ Total grate area of boilers in vessel including _____
 Auxiliary _____ No. and type of burners (oil) in each boiler _____ No. and description of safety valves on _____
 Area of each valve _____ Pressure to which they are adjusted _____
 In case of donkey boilers state whether steam from main boilers can enter the donkey boiler _____
 Distance between boilers or uptakes and bunkers or woodwork _____ Height of Boiler _____ Width and Length _____
 Drums:—Number in each boiler _____ Inside diameter _____ Material of plates _____ Thickness _____
 Tensile Strength _____ Are drum shell plates welded or flanged _____ Description of riveting:—
 long, seams _____ Diameter of rivet holes in long, seams _____ Pitch of Rivets _____
 Plate or width of butt straps _____ Thickness of straps _____ Percentage strength of long, joint:—Plate _____ Rivet _____
 of tube holes in drum _____ Pitch of tube holes _____ Percentage strength of shell in way of tubes _____
 has a flat side state method of staying _____ Depth and thickness of girders at centre _____
 Distance apart _____ Number and pitch of stays in each _____ Working pressure _____

Steam Drum Heads or Ends:—Material _____ Thickness _____ Radius or how stayed _____
 Manhole or Handhole _____
 Water Drums:—Number in each boiler one Inside Diameter 6" x 6"
 of plates Steel Thickness 3/4" Range of tensile strength 24/29 T.M.C. Are drum shell plates welded _____
Solid Drums Description of riveting:—Cir. seams _____ long, seams _____ Diameter of Rivet Holes in _____
 Pitch of rivets _____ Lap of plates or width of butt straps _____ Thickness of straps _____
 Percentage strength of long, joint:—Plate _____ Rivet _____ Diameter of tube holes in drum 4 3/4" Pitch of tube holes 7 1/2"
 Percentage strength of drum shell in way of tubes 44.1 Water Drum Heads or Ends:—Material Steel Thickness 3/4"
 how stayed _____ Size of manhole or handhole _____ Headers or Sections:—Number 60 uptakes, 30 ducts per hr.
Steel Thickness 17/32" Tested by Hydraulic Pressure to 700 lbs Material of Stays _____
 smallest part _____ Area supported by each stay _____ Working Pressure by Rules 620 lbs Tubes:—Diameter _____
 Number _____

Steam Dome or Collector:—Description of Joint to Shell _____
 Diameter _____ Thickness of shell plates _____ Material _____
 Diameter of Rivet Holes _____ Pitch of Rivets _____ Working Pressure of shell _____

Crown or End Plates:—Material _____ Thickness _____ How stayed _____
 FEATER: Type _____ Date of Approval of Plan _____ Tested by Hydraulic Pressure to _____
 Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler _____
 Pressure to which each is adjusted _____ Is casing gear fitted _____
 Number, diameter, and thickness of tubes _____
 Gaskets or joints:—Manhole _____ Handhole _____ Handhole plates _____

The foregoing is a correct description, _____
 Manufacturer.

During progress of work in shops: 1927 Oct 20-24-31 Nov 24-25-30 Dec 1-6-12-18
 During erection on board vessel: 1928 Feb 29 Mar 1-8-12-18-16-24-20-22-27 May 8-11-25 June 4
 Is the approved plan of boiler forwarded herewith Yes
 Total No. of visits 24

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The Leades, muddrums, & superheater
have been made under survey in accordance with the Rules and approved plan.
has been tested by hydraulic pressure to 700 lbs; muddrums & superheater boxes to 695 lbs.
These parts have been dispatched to Belfast, where, it is stated, the boilers are
to be erected. Re-inspected 27/6/28.

Fee ... £ 15/6 by fee for Boilers to be erected to Glasgow.
 When applied for, 191
 When received, 191

Committee's Minute GLASGOW 19 JUN 1928
Deferred
 Engineer Surveyor to Lloyd's Register of Shipping
TUE. 9 APR 1929
See Minute on Rot Rpt 18287

3700-98288-0043