

REPORT ON WATER TUBE BOILERS.

No. 99612.
23 DEC 1931

Received at London Office

Date of writing Report 19... When handed in at Local Office 19... Port of Liverpool

No. in Survey held at Saltney, Chester Date, First Survey 13/10/31 Last Survey 9/12/1931

Reg. Bk. on the S. S. Maria (Number of Visits 5) Tons { Gross 59.73 Net 1.69

Master Built at Saltney By whom built Messrs J. Crichton & Co When built 1931

Engines made at Newbury By whom made Messrs Plenty & Sons Ltd When made 1931

Boilers made at Cowes, I. of W. By whom made Messrs J. Samuel White & Co Ltd When made 1931

Registered Horse Power Owners Rev. de Janeiro City Improvement Co. Port belonging to Rev. de Janeiro

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

Letter for Record 5 Date of Approval of plan... Working Pressure 200 lb Tested by Hydraulic Pressure to 350 lb Date of Test 16.10.31

Boilers of Certificate 5 Can each boiler be worked separately Total Heating Surface of Boilers 900 sq ft

Forced draught fitted Yls Area of fire grate (coal) in each Boiler 2.40 sq ft Total grate area of boilers in vessel including 2.40 sq ft

No. and type of burners (oil) in each boiler 2 White (SS) No and description of safety valves on 2 White (SS)

Area of each valve 2.40 sq ft Pressure to which they are adjusted 205 lb sq in

they fitted with easing gear Yls In case of donkey boilers state whether steam from main boilers can enter the donkey boiler

Least distance between boilers or uptakes and bunkers or woodwork 6-8 1/2 BUNKER Height of Boiler 6-8 1/2

Number in each boiler Inside diameter Material of plates Thickness

Are drum shell plates welded or flanged Description of riveting:—

Diameter of rivet holes in long. seams Pitch of Rivets

Percentage strength of long. joint:—Plate Rivet

Percentage strength of shell in way of tubes

Depth and thickness of girders at centre

Number and pitch of stays in each Working pressure

Radius or how stayed

Material of Manhole or Handhole Water Drums:—Number in each boiler Inside Diameter

Range of tensile strength Are drum shell plates welded

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 Pitch of tube holes

Water Drum Heads or Ends:—Material Thickness

Size of manhole or handhole Headers or Sections:—Number

Tested by Hydraulic Pressure to Material of Stays

Working Pressure by Rules Tubes:—Diameter

Steam Dome or Collector:—Description of Joint to Shell

Thickness of shell plates Material

Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

How stayed

Crown or End Plates:—Material Thickness

How stayed

Superheater. 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 easing gear fitted

Number, diameter, and thickness of tubes

Gaskets or joints:—Manhole Handhole Handhole plates

The foregoing is a correct description, please refer to COBVILLE & CO., LTD., Manufacturer.

Is the approved plan of boiler forwarded herewith

Total No. of visits 5

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been

satisfactorily fitted on board and examined under steam. Oil fuel

installation examined & found satisfactory.

Survey Fee ... £ : : When applied for, 19

Printing Expenses (if any) £ : : When received, 19

Committee's Minute LIVERPOOL 22 DEC. 1931

See Machinery Dept.

J. B. Milton, Engineer Surveyor to Lloyd's Register of Shipping.

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