

REPORT ON WATER TUBE BOILERS.

No. 47413

Received at London Office

21 DEC 1927

Date of writing Report 15 Dec 1927 When handed in at Local Office 19 Dec 1927 Port of Glasgow

No. in Survey held at Renfrew Date, First Survey 4.8.27 Last Survey 12 Dec 1924

Reg. Bk. on the Boiler 6/1222 for S.S. Ijibadok Number of Visits 16 Tons Gross Net

Master Built at Krumpen & Yssel By whom built Wm. & James Schepma When built 1924

Engines made at Flushing By whom made Koninklijke De Schelde When made 1924

Boilers made at Renfrew, Glasgow By whom made Babcock & Wilcox Ltd When made 1924

Registered Horse Power Owners Java China Japan Lyn Port belonging to Batavia

Manufacturers of Steel D. Colville & Sons

Letter for Record Date of Approval of plan 9/8/24, 24/8/24, 17/8/24 Number and Description or Type

Boilers 4 Babcock & Wilcox Water tube boilers Working Pressure 256 lbs Tested by Hydraulic Pressure to Date of Test

To. of Certificate Can each boiler be worked separately. Total Heating Surface of Boilers 311744 sq. ft. S.H. 3, 1200

Is forced draught fitted. Area of fire grate (coal) in each Boiler Total grate area of boilers in vessel including

Main and Auxiliary No. and type of burners (oil) in each boiler No. and description of safety valves on

Each boiler Area of each valve Pressure to which they are adjusted

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

Smallest distance between boilers or uptakes and bunkers or woodwork. Height of Boiler Width and Length

Steam Drums: Number in each boiler One Inside diameter 3'6" Material of plates Supplied in Holland Thickness

Range of Tensile Strength Are drum shell plates welded or flanged Description of riveting:

Cir. seams long. seams Diameter of rivet holes in long. seams Pitch of Rivets

Lap of plate 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 Percentage strength of shell in way of tubes

If Drum has a flat side state method of staying Depth and thickness of girders at centre

(if fitted) Distance apart Number and pitch of stays in each Working pressure

by rules Steam Drum Heads or Ends: Material Steel Thickness 15/16" Radius or how stayed 3'0"

Size of Manhole or Handhole Manhole steel 15 x 20 3/4" Water Drums: Number in each boiler One Inside Diameter 6' x 6"

Material of plates Steel Thickness 3/4" Range of tensile strength 26-30 tons Are drum shell plates welded

or flanged Made from S.D. Tubes Description of riveting: Cir. seams long. seams Diameter of Rivet Holes in

long. seams 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

Percentage strength of drum shell in way of tubes 42% MUD Drum Heads or Ends: Material Steel Thickness 3/4"

Radius or how stayed Flat Size of manhole or handhole Headers or Sections: Number 80 pairs & 3 pairs Spare

Material Steel Thickness 7/16" Tested by Hydraulic Pressure to 650 lbs. Material of Stays

Area at smallest part Area supported by each stay Working Pressure by Rules 324 lbs. Tubes: Diameter

Thickness Number Steam Dome or Collector: Description of Joint to Shell

Percentage strength of Joint Diameter Thickness of shell plates Material

Description of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

by Rules Crown or End Plates: Material Thickness How stayed 16 Superheater Boxes

UPERHEATER. Type Babcock & Wilcox Date of Approval of Plan 24/8/24 Tested by Hydraulic Pressure to 434 lbs.

Date of Test 14/11/24 Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is easing gear fitted

Is a drain cock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes

Spare Gear. Tubes Gaskets or joints: Manhole Handhole Handhole plates

The foregoing is a correct description,
Babcock & Wilcox, Ltd.
Robt. Palmer Manufacturer.

Dates of Survey During progress of 1927 Aug 4. 17. 22. 30 Sep 7. 12. 16. 21. 29 Oct 6. 11. 13 Is the approved plan of boiler forwarded herewith yes

while building During erection on 14. 26 Nov. 17 Dec 12 Total No. of visits 16

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The above parts have been built under special survey in accordance with the Rules and approved plans. Material & workmanship good. Headers mud drums & superheater boxes tested by hydraulic pressure as above. These parts have been shipped to Koninklijke Maatschappij "De Schelde" Flushing, Holland, where the boilers are being built and will be installed onboard the S/S "Ijibadok".

1/2 Survey Fee ... £ 25: 0: 0 When applied for, 191 Travelling Expenses (if any) £ : : When received, 191

MONTHLY ACCOUNT

Committee's Minute GLASGOW 20 DEC 1927 Assigned TRANSMIT TO LONDON

FRI. 14 JUN 1929

Engineer Surveyor to Lloyd's Register of Shipping.

See Robt. Palmer

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