

Rpt. 5c.

# REPORT ON WATER TUBE BOILERS. No. 628

Received at London Office

Date of writing Report 30th June 1954 When handed in at Local Office 30th June 1954 Port of ROUEN

No. in Survey held at La Courneuve (Seine) Date, First Survey 1.9.53 Last Survey 1.6.54  
Reg. Book. (Number of Visits 28) Tons

Built at La Ciotat By whom built Chantiers de La Ciotat Yard No. 175/176 When built

Engines made at By whom made Engine No. When made

Boilers made at La Courneuve (Seine) By whom made Soc. Babcock & Wilcox Boiler No. 10.719 When made 1954

Nominal Horse Power. Owners. Port belonging to

**WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.** Manufacturers of Steel. Acieries de Longway & other approved works.

Dates of Approval of plans 20.3.53, 7.4.53 No. and Description or Type of Boilers for two ships, four water tube Working Pressure 40 kg/cm<sup>2</sup> Tested by Hydraulic Pressure to 63.5 kg/cm<sup>2</sup> Date of Test

No. of Certificate Can each boiler be worked separately Total Heating Surface of Boilers per ship 1192.8 m<sup>2</sup>

Is forced draught fitted Area of Fire Grate (coal) in each boiler = 2 B<sub>6</sub> + 5 B<sub>7</sub>

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

Area of each set of valves per boiler (per rule as fitted) 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 1169 mm

Thickness of plates 26 mm. & 86 mm (tube plate) Range of tensile strength 47/56 kg/mm<sup>2</sup> Are drum shell plates welded or flanged welded

If fusion welded, state name of welding firm Soc. Babcock & Wilcox Have all the requirements of the Rules for Class I vessels been complied with Yes

Description of riveting:—Circ. seams long. seams

Diameter of rivet holes in long. seams Pitch of rivets Thickness of straps Percentage strength of long. joint:—Plate Rivet Diameter of tube holes in drum 32.5 & 51 Pitch of tube holes 44.5 & 22.5

Percentage strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength 47/56 kg/cm<sup>2</sup>

Thickness of plates 36 mm. Radius or how stayed 975 R. Size of manhole or handhole 305 x 407 Water Drums:—Number in each boiler ONE Inside diameter 729 mm

Thickness of plates 17 & 56 (tube plate) Range of tensile strength 47/56 kg/mm<sup>2</sup> Are drum shell plates welded or flanged welded

If fusion welded, state name of welding firm Soc. Babcock & Wilcox Have all the requirements of the Rules for Class I vessels been complied with Yes

Description of riveting:—Circ. seams long. seams

Diameter of rivet holes in long. seams Pitch of rivets Thickness of straps

Percentage strength of long. joint:—Plate Rivet Diameter of tube holes in drum 32.5 & 51.5 Pitch of tube holes 44.5 & 22.5

Percentage strength of drum shell in way of tubes Water Drum Heads or Ends:—Range of tensile strength 47/56 kg/mm<sup>2</sup>

Thickness of plates 23 mm. Radius or how stayed 610 R. Size of manhole or handhole 305 x 407

Headers or Sections:—Number four (total) Material Seamless Steel Thickness 20 mm. Tested by hydraulic pressure to 70 kg/cm<sup>2</sup>

Tubes:—Diameter 32, 51, 82.5 Thickness 3, 4.5, 7, 7 Number (per boiler) 1540 Steam Dome or Collector:—Description of joint to shell

Inside diameter Thickness of shell plates Range of tensile strength Description of longitudinal joint

If fusion welded, state name of welding firm Have all the requirements for the Rules for Class I vessels been complied with Diameter of rivet holes

Pitch of rivets Thickness of straps Percentage strength of long. joint plate rivet

Crown or End Plates:—Range of tensile strength Thickness Radius or how stayed

SUPERHEATER, Drums or Headers:—Number in each boiler TWO Inside diameter 203 mm

Thickness 32 mm. Material or No. Steel Seamless Range of tensile strength 48/58 kg/mm<sup>2</sup> Are drum shell plates welded or flanged

If fusion welded, state name of welding firm Have all the requirements of the Rules for Class I vessels been complied with

Description of riveting:—Circ. seams long. seams

Diameter of rivet holes in long. seams Pitch of rivets Thickness of straps Percentage strength of long. joint:—Plate Rivet

Diameter of tube holes in drum 28.5 & 30.5 Pitch of tube holes 54 mm. Percentage strength of drum shell in way of tubes

Header Drum Heads or Ends:—Integral Thickness 50 mm. Range of tensile strength as above

Radius or how stayed flat Size of manhole or handhole 302 x 402 Number, diameter, and thickness of tubes (per boiler) 120, 38

Tested by hydraulic pressure to 64 kg/cm<sup>2</sup> Date of test Is a safety valve fitted to each section of the superheater which can be shut off from the boiler

No. and description of safety valves Area of each set of valves Pressure to which they are adjusted Is easing gear fitted

Spare Gear. Has the spare gear required by the Rules been supplied

St. Françoise des Constructions BABCOCK & WILCOX  
The foregoing is a correct description,  
for the Director General,  
Manufacturer.

Dates of Survey During progress of 1.9.53, 9.9.53, 18.9.53, 24.9.53, 6.10.53, 27.10.53, 3.11.53, 10.11.53, 17.11.53, 24.11.53, at La Courneuve 12.53, 4.12.53, 15.12.53, 29.12.53, 12.1.54, during construction 9.2.54, 16.2.54, 25.2.54, 3.3.54, 9.3.54, 19.3.54, 30.3.54, 2.4.54, 20.4.54, 30.4.54, 20.4.54, 1.6.54

Is this boiler a duplicate of a previous case. If so, state vessel's name and report No.

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c. the drums, headers & tubes mentioned above have been constructed under Special Survey in accordance with the approved plans, Secretary's letters and the Society's Rules. The workmanship is good. These parts have been dispatched to La Ciotat for erection and installation in the above ships.

Survey Fee ... £rs. 424.000.- When applied for 19  
Travelling Expenses (if any) £rs. 54.000.- When received 19

*E. Green*  
Engineer Surveyor to Lloyd's Register of Shipping.

Date  
Committee's Minute



Rpt. 4c.

Date of wr

No. in  
Reg. Book

1408

Built at

Owners

Oil Engine

Generator

No. of Set

Is Set int

**OIL EN**

Maximum

Mean ind  
pre

Is there a

Flywheel

Crank SH

Flywheel

Are mean

Are the c

Cooling

Lubricati

Air Comp

Scavengi

**AIR R**

(other  
State ful

Can the i

Is there a

**High Pre**

Seamless,

Starting

Seamless,

**ELECT**

Pressure

If altern

on and of

Are all t

or shield

If the ge

If the ge

Details o

**PLANS**

Have Ton

Has the s

008177-008185-0089



© 2020

Lloyd's Register  
Foundation