

REPORT ON WATER TUBE BOILERS.

No. P. 1. 32Received at London Office 24 OCT 1958

Date of writing Report 21.10.1958 When handed in at Local Office 21.10.1958 Port of ROUEN

No. in Survey held at DUNKIRK Date, First Survey 4.3.58 Last Survey 7.10.1958

Reg. Book. NORWICH (Number of Visits 12) Gross

on the "ESSO LONDON" (NORMANDIE YARD) Tons

ding BREST By whom built Navale Arsenal for Yard No. 227 When built

Engines made at La Courneuve (Seine) & By whom made Babcock & Wilcox Engine No. When made

Boilers made at Dunkirk By whom made Ch. de France Boiler No. 12177 D & C When made 1958

HS for Register Book 20,000 Sq. Ft. Owners Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY—Manufacturers of Steel See PAR Rpt. No. 4

Date of Approval of plan 25.9.56, 9.1.57 No. and Description or Type 2 Water Tube Integral Furnace Working Pressure 64 Kg/cm² Tested by Hydraulic Pressure to 105.5 Kg/cm² Date of Test 12.7.58

No. of Certificate Rou 1260 Can each boiler be worked separately Total Heating Surface of Boilers 2 x 828 M² Superheaters 2 x 99 M²

Half Economisers - Is forced draught fitted Area of Fire Grate (coal) in each Boiler

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

each boiler Area of each set of valves per boiler Pressure to which they are adjusted

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 Inside diameter

Thickness of plates Range of tensile strength 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 Pitch of tube holes

Percentage strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength

Thickness of plates Radius or how stayed Size of manhole or handhole Water Drums:—Number in each boiler

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 Pitch of tube holes

Percentage strength of drum shell in way of tubes Water Drum Heads or Ends:—Range of tensile strength

Thickness of plates Radius or how stayed Size of manhole or handhole

Headers or Sections:—Number Material Thickness Tested by hydraulic pressure to

Tubes:—Diameter Thickness Number 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 Inside diameter

Thickness Material Range of tensile strength 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 Pitch of tube holes Percentage strength of drum shell in way of tubes

Drum Heads or Ends:—Thickness Range of tensile strength

Radius or how stayed Size of manhole or handhole Number, diameter, and thickness of tubes

Tested by hydraulic pressure to 105.5 Kg/cm² Date of test 2.9.58 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

The foregoing is a correct description,

Manufacturer.

Dates of Survey 13.6.58 During progress of work in shops 4.3.58, 18.6.58, 25.6.58, 9.7.58, 12.7.58 Is the approved plan of boiler forwarded herewith YES

while building 21.7.58, 22.8.58, 27.8.58, 2.9.58, 3.9.58, 7.10.58 Total No. of visits 12

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The Boilers have been constructed under Special Survey in accordance with the requirements of the Rules and the approved plans. The quality of the materials and workmanship is good. The class notation 2 W.T.B. 945 Lbs.sq.ins. Spt 885 Lbs.sq.ins. being deferred for completion of survey by fitting of mountings and installation of boilers on board ship.

Survey Fee £423,400.- When applied for 21.10.1958

Travelling Expenses (if any) £53,250.- When received 10

Date FRIDAY 21 AUG 1958Committee's Minute See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping

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