

REPORT ON WATER TUBE BOILERS.

No. P. 2. 32

Received at London Office 4 OCT 1958

Date of writing Report 21.10. 19 58 When handed in at Local Office 21.10. 19 58 Port of ROUEN
 No. in Survey held at DUNKIRK Date, First Survey 4.3.58 Last Survey 7.10. 19 58
 Reg. Book. NORWICH (Number of Visits 12) Gross.....
 on the "ESSO LONDON" (NORMANDE YARD) Tons
 ding BREST By whom built Navale Arsenal for Yard No. 227 When built.....
 Engines made at La Courneuve (Seine) & Dunkirk 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 of Boilers 2 Water Tube Integral Furnace Working Pressure 9.6 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 { per rule..... Pressure to which they are adjusted..... as fitted.....
 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.....
 Please see Par. Rpt. No. 4 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.....
 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 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
 During erection on board vessel.....

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. 19 58
 Travelling Expenses (if any) £ 53,250.- When received 10

Date FRIDAY 21 AUG 1958
 Committee's Minute See Rpt. 1
 Engineer Surveyor to Lloyd's Register of Shipping Jes. Remelsson
 Lloyd's Register Foundation
 012792-012795-0169