

REPORT ON WATER TUBE BOILERS.

No. E.E. 35

Received at London Office

Date of writing Report 28.1.1961 When handed in at Local Office 19 Port of ROUEN
 No. in Survey held at DUNKIRK Date, First Survey 18.2.59 Last Survey 6.11.1960
 Reg. Book. 062 on the Single Screw Steam Tanker "J. PAUL GETTY" (Number of Visits 22) Gross 40906
 Built at DUNKIRK By whom built At. & Ch. de France Yard No. 228 When built 1960.11
 Engines made at SAINT-NAZAIRE By whom made Ch. de l'Atlantique Engine No. 7.18 When made 1959.9
 Boilers made at DUNKIRK By whom made At. & Ch. de France Boiler Nos. 92.10 When made 1960.11
 IS for Register Book 27046 sq. ft. Owners Hemisphere Transportation Corp. Port belonging to MONROVIA

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY—Manufacturers of Steel Soc. des Mines Ac. de Dilling & Lorraine Escaut
 Date of Approval of plan 12.9.57 15.8.58 31.12.58 Working Pressure 49.21 Tested by Hydraulic Pressure to 77.31 kg/cm² Date of Test 24.9.59
 of Boilers 2 "FOSTER WHEELER" Economiser Yes Superheaters 8116 sq. ft.

No. of Certificate - Can each boiler be worked separately YES Total Heating Surface of Boilers 5130 sq. ft.
 Half Economisers 13800 sq. ft. Is forced draught fitted YES Area of Fire Grate (coal) in each Boiler -
 No. and type of burners (oil) in each boiler 5 Todd Express

No. and description of safety valves on each boiler 2-Crosby full bore type "K" orificed Area of each set of valves per boiler per rule Pressure to which they as fitted 1.8385" Tread Dia.

Are adjusted 50.6" Are they fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter the donkey boiler Yes Height of boiler 6000 mm

Width and length 4500 x 3300 Steam Drums: Number in each boiler One Inside diameter 633 mm
 Thickness of plates Nts. Cert. No. 781 Range of tensile strength 76% - 37% Nts. Cert. No. 781 Are drum shell plates welded Yes

Welded or flanged Welded If fusion welded, state name of welding firm Ch. de l'Atlantique St. Nazaire Have all the requirements of the Rules for Class I vessels been complied with Nts. Cert. No. 782 Description of riveting:—Circ. seams - long. seams -

Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps 5 (83.3) (128.3) Percentage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum 51.5 (83.3) (128.3) Pitch of tube holes 100.8 (114)

Percentage strength of shell in way of tubes 49% Steam Drum Heads or Ends: Range of tensile strength Nts. Cert. No. 782 Water Drums: Number 300 x 400 - 300 x 400
 Thickness of plates Nts. Cert. No. 781 Radius or how stayed 1888 mm Size of manhole or handhole Nts. Cert. No. 781 Are drum shell plates welded or flanged Welded If fusion welded, state name of welding firm Ch. de l'Atlantique St. Nazaire Have all the requirements of the Rules for Class I vessels been complied with Nts. Cert. No. 781 Description of riveting:—Circ. seams - long. seams -

Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps 5 (83.3) (128.3) Pitch of tube holes 100.8 (114)
 Percentage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum 51.5 (83.3) (128.3) Pitch of tube holes 100.8 (114)

Percentage strength of drum shell in way of tubes 49% Water Drum Heads or Ends: Range of tensile strength Nts. Cert. No. 781 Size of manhole or handhole 300 x 400 - 300 x 400
 Thickness of plates Nts. Cert. No. 781 Radius or how stayed 1888 mm Size of manhole or handhole Nts. Cert. No. 781 Are drum shell plates welded or flanged Welded If fusion welded, state name of welding firm Ch. de l'Atlantique St. Nazaire Have all the requirements of the Rules for Class I vessels been complied with Nts. Cert. No. 781 Description of riveting:—Circ. seams - long. seams -

Water wall headers or sections: Number 3 205 x 205 Material M. steel Thickness 26 mm Tested by hydraulic pressure to 77.31 kg/cm²
 Tubes: Diameter 51 mm 82.5 mm Thickness 4 mm 10 mm 10 mm Number 384 8 9 downcomers Steam Dome or Collector: Description of

point to shell - Inside diameter - Thickness of shell plates - Range of tensile strength - 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 - plate - rivet -

Pitch of rivets - Thickness of straps - Radius or how stayed -
 Crown or End Plates: Range of tensile strength - Thickness - Inside diameter 167 mm

SUPERHEATER, Drums or Headers: Number in each boiler 4 Solid drawn Yes Range of tensile strength 42/50 kg/m² Are drum shell plates welded Yes
 Thickness 26 mm Material chromeseco & M. steel 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 38.5 mm Pitch of tube holes 82.5 mm Percentage strength of drum shell in way of tubes 53% Drum Heads or Ends: Header Header Thickness 37 mm Range of tensile strength 42/50

Radius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes 612 - 38 x 3.5
 Tested by hydraulic pressure to 86.4 kg/cm² Date of test 1.10.59 9.10.59 Is a safety valve fitted to each section of the superheater which can be shut off from the boiler YES No. and description of safety valves 1 - Crosby full bore type "K" orificed Area of each set of valves 2.8526" Tread Dia. Pressure to which they are adjusted 43.8 kg/cm² Is easing gear fitted YES

Spare Gear. Has the spare gear required by the Rules been supplied YES The foregoing is a correct description, X Manufacturer.

Dates During progress of work in shops 1959 18/2, 27/4, 29/4, 5/5, 28/5, 3/7 Is the approved plan of boiler forwarded herewith -
 Survey while building 1960 15/7, 21/7, 24/9, 28/9, 1/10, 9/10, 19/10, 16/11, 1960 4/4 Total No. of visits 22

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 approved plans, Secretary's letters and Rule requirements. The materials & workmanship are good. The boilers have been securely fitted on board examined under steam and safety valves adjusted in accordance with Rule Requirements. For recommendation please see Machinery report.

Survey Fee N.F. 4.665.- When applied for 3.2.1961
 Travelling Expenses (if any) - When received 19

Date See Rpt. 1.
 Committee's Minute -

Signature of Engineer Surveyor W. Ronald Ch. Bolender
 Engineer Surveyor to Lloyd's Register of Shipping & Self for W. Ronald Ch. Bolender & Self.

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