

REPORT ON WATER TUBE BOILERS.

No. 770

Received at London Office 6 JUL 1959

Date of writing Report 1st June 1959 When handed in at Local Office 18-6-1959 Port of NANTES
 No. in Survey held at BREST Date, First Survey 15-10-1958 Last Survey 26/5-1959
 Reg. Book. (Number of Visits 10) Gross 23997
 on the SINGLE SCREW "ESSO NORWICH" Tons Net.....
 Built at ARSENAL DE BREST By whom built ATELIERS & CH. DE FRANCE Yard No. 227 When built 1959-5
 Engines made at LILLE By whom made SOC. FIVES-LILLE-CAIL Engine No. 1110-1111 When made 1956-1958
 Boilers made at LA COURNEUVE & DUNKIRK By whom made BABCOCK & WILCOX CH. DE FRANCE Boiler No. 1217.1-D&C When made 1958
 HS for Register Book 20,000 Sq. Ft. Owners ESSO PETROLEUM CO. LTD Port belonging to LONDON

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

Date of Approval of plan 29/9/56 9/1/57 No. and Description or Type of Boilers 2 WATER TUBE INTEGRAL FURNACE TYPE Working Pressure 90 lbs./sq. in. Tested by Hydraulic Pressure to..... Date of Test.....

No. of Certificate..... Can each boiler be worked separately..... Total Heating Surface of Boilers..... Superheaters.....

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

No. and type of burners (oil) in each boiler 5 - EDWA. TYPE. No. and description of safety valves on each boiler 2 x 1.5/8" SINGLE DEWRANCE CONSOLIDATED. Area of each set of valves per boiler { per rule..... Pressure to which they are adjusted 2 x 1.5/8" DIA.

are adjusted 94.0 & 94.5 lbs./sq. in. Are they fitted with easing gear YES 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..... 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..... Date of test..... 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 x 1.5/8" SINGLE DEWRANCE CONSOLIDATED Area of each set of valves 1.5/8" DIA Pressure to which they are adjusted 88.5 lbs./sq. in. Is easing gear fitted YES

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

Safety valves approved for 88.5 lbs. 860°F



The foregoing is a correct description, 15/6/59 Manufacturer.

Is the approved plan of boiler forwarded herewith.....

SEE MACHINERY 1ST ENTRY RPT. Total No. of visits.....

Dates of Survey } During progress of work in shops - - } while building } 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. These boilers have been satisfactorily installed on board the ship under Special Survey, examined under full working conditions and are in my opinion eligible to be classed as part of the Machinery Installation with the Notation + LMC-5-59

Survey Fee ... £ ... : When applied for 19

Travelling Expenses (if any) £ 50:000 : When received 19

Date.....

Committee's Minute See Rpt. 1.

