

REPORT ON WATER TUBE BOILERS.

No. 11928

Received at London Office 16 NOV 1955

Date of writing Report Molleston 1955 When handed in at Local Office 10th Nov 1955 Port of Nantes

No. in Survey held at La Ciotat Date, First Survey 2nd April 1950 Last Survey 7 April 1955

Reg. Book. 14087 on the Steel Screw Trawler "IPHIGENIA" (Number of Visits ten) Gross 12,833 Tons Net 7,207

Built at La Ciotat By whom built Chantiers Navals de la Ciotat Yard No. 175 When built 1955

Engines made at La Seyne By whom made Forges et Chantiers de la Mediterranee Engine No. 74 When made 1955

Boilers made at La Ciotat By whom made Societe Babcock & Wilcox Boiler No. 10719-1 When made 1955

Nominal Horse Power 1.650 MN Owners Societe Shell Sudoche Port belonging to LE HAVERE

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel. Approved works

Date of Approval of plans 20-3-53 and 7-9-53 No. and Description or Type of Boilers Two W.T. Babcock & Wilcox (Spt) Working Pressure 39.76 kg/cm² Tested by Hydraulic Pressure to 63.5 kg/cm² Date of Test 14-8-54 (Port)

No. of Certificate ROU.547 Can each boiler be worked separately yes Total Heating Surface of Boilers 1,192.8 m² (2160 sqft)

Is forced draught fitted yes Area of Fire Grate (coal) in each Boiler ✓

No. and type of burners (oil) in each boiler 4 in no Good Type No. and description of safety valves on each boiler 2 in no Crosby - Cocard type HS 35 Area of each set of valves per boiler per rule approved 5-5-54 Pressure to which they are adjusted 39.76 kg/cm² as fitted 3" X 4" (2)

the donkey boiler 39.76 kg/cm² they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter the donkey boiler no Smallest distance between boilers or uptakes and bunkers or woodwork over 10 feet Height of boiler 5.555 m.

Width and length 4.540 x 4.860 m 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 — Water Drums:—Number in each boiler — Radius or how stayed — Size of manhole or handhole — 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 — Size of manhole or handhole — Tested by hydraulic pressure to —

Headers or Sections:—Number — Material — 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 of 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 — Number, diameter, and thickness of tubes —

Radius or how stayed — Size of manhole or handhole — 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 in no Crosby Cocard type HS 37 Area of each set of valves 3" X 4" (2) approved 5-5-54 Pressure to which they are adjusted 39.76 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, ✓ Manufacturer. Chantiers Navals de la Ciotat

Dates of Survey dk La Ciotat: 24-4; 4-15-6; 6-8; 2-9-1954 Is the approved plan of boiler forwarded herewith yes

while building 5-1; 3-2; 16-2; 30-3; 7-4-1955 Total No. of visits ten

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 constructed and installed under special survey in accordance with approved plans, the Secretary's letters and the Rules of the Society. The safety valves have been adjusted to the pressures stated, examined under full working conditions and found satisfactory.

Survey Fee Steam Generator No 118320 When applied for 15th May 1955

Travelling Expenses (if any) No: 12.500 When received 11th July 1955

Date FRIDAY 25 NOV 1955

Committee's Minute See Rpt. 4a.

Engineer Surveyor to Lloyd's Register of Shipping. W. F. FONDRE

