

Rpt. 5c.

REPORT ON WATER TUBE BOILERS.

No. 49417

J.H.F.

Received at London Office

26 MAY 1960

Date of writing Report 4th March, 1960 When handed in at Local Office 19 Port of ROTTERDAM

No. in Survey held at FLUSHING Date, First Survey 14-8-1959 Last Survey 1-3-1960

Reg. Book. (Number of Visits 5) Tons {Gross... Net...}

Built at Flushing By whom built Kon. Mij. "De Schelde" NV Yard No. 298 When built

Engines made at Flushing By whom made Kon. Mij. "De Schelde" NV Engine No. 898 When made

Boilers made at Flushing By whom made Kon. Mij. "De Schelde" NV Boiler No. 441 When made 1959

HS for Register Book 1776 sq. ft. Owners. Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Headers: Mannesmann Rohre Werke Coils: Stahl & Rohren Werke Reisholz

Date of Approval of plan 2-1-1957 No. and Description or Type of Boilers one LaMont Exhaust Gas Working Pressure 9 Kg/cm² Tested by Hydraulic Pressure to 17 Kg/cm² Date of Test 1-9-1959

No. of Certificate 1331 Can each boiler be worked separately Total Heating Surface of Boilers 1776 sq. ft. Superheaters

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 2 high lift spring loaded Dia. of each set of valves per boiler as fitted 60 mm. Pressure to which they are adjusted 9 kg/cm² 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 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 2 Material S.M. Steel Thickness 191x10 mm. Tested by hydraulic pressure to 17 kg/cm²

Tubes:—Diameter 38 mm. Thickness 4 mm. Number 22 coils 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 Date of test 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 } During progress of work in shops 1959: 14-8, 20-8, 1-9, Is the approved plan of boiler forwarded herewith

while building } During erection on board vessel 1959: 9-12, 2-3-60 Total No. of visits 5

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. This boiler has been constructed and fitted under Special Survey in accordance with the approved plan, Secretary's letters and Society's Rules. Materials used tested as required and the workmanship found good. On completion the safety valves adjusted under steam washers S. 21.4 mm. P. 22.9 mm.

Survey Fee ... £ 238/- When applied for 19

Travelling Expenses (if any) £ 9/- When received 19

Date FRIDAY 24 JUN 1960

Committee's Minute See Rpt 4b

Engineer Surveyor to Lloyd's Register of Shipping.

