

Rpt. 5c.

REPORT ON WATER TUBE BOILERS.

No. 2319

Received at London Office

25 SEP 1959

Date of writing Report 31st Aug. 1959 When handed in at Local Office 31st Aug. 1959 Port of KIEL

No. in Survey held at Kiel Date, First Survey 15th April Last Survey 10th August, 1959

Reg. Book. (Number of Visits 8) Tons (Gross..... Net.....)

Built at Split/Yugoslavia By whom built Messrs. Brodogradiliste Yard No. X When built 1959

Engines made at Kiel By whom made Kieler Howaldtswerke A.G. Engine No. 404, 405 When made 1959

Boilers made at Kiel By whom made Kieler Howaldtswerke A.G. Boiler No. 404, 405 When made 1959

HS for Register Book Owners Kieler Howaldtswerke A.G. Port belonging to Kiel

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

Date of Approval of plan April 18, June 18, July 30, 1958 No. and Description or Type of Boilers One - La Mont Type Exhaust Gas

Working Pressure 7 kg/cm² Tested by Hydraulic Pressure to 16 kg/cm² Date of Test 10.8.59

No. of Certificate 575 Can each boiler be worked separately yes Total Heating Surface of Boilers 1712 sq. ft. Superheaters -

Half Economisers - Is forced draught fitted exhaust gas heated Area of Fire Grate (coal) in each Boiler (212 m²)

No. and type of burners (oil) in each boiler exhaust gas heated only No. and description of safety valves on each boiler none fitted

Area of each set of valves per boiler } per rule - as fitted - Pressure to which they are adjusted -

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 4860 mm

Width and length 1187 mm dia. Steam Drums:—Number in each boiler none 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 - Steam Drum Heads or Ends:—Range of tensile strength none

Thickness of plates none 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 none

Thickness of plates none Radius or how stayed - Size of manhole or handhole - Headers or Sections:—Number 2 headers

Material SM steel Thickness 8 mm Tested by hydraulic pressure to 16 kg/cm²

Coil 32 mm 7 sections Thickness 8 mm Number 22 Steam Dome or Collector:—Description of joint to shell none

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 none Thickness - Radius or how stayed -

SUPERHEATER, Drums or Headers:—Number in each boiler none 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:—none 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, **KIELER HOWALDTSWERKE** Aktiengesellschaft Manufacturer.

Dates of Survey } During progress of work in shops - } 1959: Apr.: 15, May: 4, 15, 25 Jun: 4, 8, Aug: 3, 10 Is the approved plan of boiler forwarded herewith -

while building } During erection on board vessel - - } - Total No. of visits eight

Is this boiler a duplicate of a previous case YES If so, state vessel's name and report No. Kiel Rpt. No. 2077/78

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. This La Mont type exhaust gas boiler has been constructed in accordance with the Society's Rules and Regulations, the approved plans and the Secretary's letters. The materials have been tested by this Society's Surveyors. Workmanship good. In the opinion of the undersigned this boiler is suitable for installation aboard a classed ship at a working pressure of 7 kg/cm²

Survey Fee ... £ 34. 0. : 0 When applied for London 28/9 19

Travelling Expenses (if any) £ 2. 0. : 0 When received London 28/9 19

Date FRIDAY - 2 DEC 1960

Committee's Minute See Rpt. 1.

John G. Barboville & H.F. Sittmann
Engineer Surveyors to Lloyd's Register of Shipping.

