

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) Gross Tons Net Tons  
Built at Split/Yugoslavia By whom built Messrs. Brodogradiliste Yard No. X When built 1959  
Engines made at By whom made Engine No. When made  
Boilers made at Kiel By whom made Kieler Howaldtswerke A.G. Boiler No. 404, 405 When made 1959  
HS for Register Book Owners Port belonging to

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

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/cm<sup>2</sup> Tested by Hydraulic Pressure to 16 kg/cm<sup>2</sup> 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 -  
Holes and pitch Half Economisers - Is forced draught fitted exhaust gas heated Area of Fire Grate (coal) in each Boiler (212 m<sup>2</sup>)  
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 -  
Percentage strength of shell in way of tubes - 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 - 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/cm<sup>2</sup>  
Coil Diameter 32 mm 7 sections Thickness 8 mm 37 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/cm<sup>2</sup>

Survey Fee ... £ 34. 0. : 0 When applied for A/c rendered from London 28/9/59  
Travelling Expenses (if any) £ 2. 0. : 0 When received

Date

FRIDAY - 2 DEC 1960

Committee's Minute

See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

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