

REPORT ON WATER TUBE BOILERS.

No. 2254

Received at London Office

Date of writing Report 10.10 1960 When handed in at Local Office 19 Port of SPLIT
 No. in Survey held at KIEL & SPLIT Date, First Survey 15.6.60 Last Survey 26.9. 1960
 Reg. Book. 91505 on the m.s. "PADEREWSKI" (Number of Visits 5) Gross 7277.02
 Built at SPLIT By whom built Brodogradilište "SPLIT" Yard No. 161 When built 1960
 Engines made at TORINO By whom made Messrs. FIAT S.G.M. Engine No. 4344 When made 1960
 Boilers made at KIEL & ZAGREB By whom made HORNALDSW.-T.P.K. Boiler No. 404-1524 When made 1959
 HS for Register Book 212 & 65 Owners POLSKIE LINIE OCEANICZNE Port belonging to GDYNIA

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

Date of Approval of plan For particulars of the Exhaust gas boiler see Kiel Rpt. No. 2319 No. and Description or Type of Boilers
 Working Pressure _____ 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 _____ No. and description of safety valves on each boiler _____

Area of each set of valves per boiler $\left\{ \begin{array}{l} \text{per rule} \\ \text{as fitted} \end{array} \right. \underline{2 \times 3848 \text{ sq. mm.}}$ Pressure to which they are adjusted 7.8 kg/sq. cm 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 _____ 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 _____

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 $\left\{ \begin{array}{l} \text{During progress of work in shops - -} \\ \text{while building} \end{array} \right. \left\{ \begin{array}{l} \text{During erection on board vessel - -} \end{array} \right. \left\{ \begin{array}{l} \text{Is the approved plan of boiler forwarded herewith} \\ \text{Total No. of visits} \end{array} \right.$

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. _____

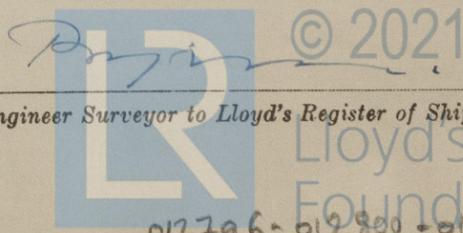
Survey Fee ... £ : : } When applied for 19
 Travelling Expenses (if any) £ : : } When received 19

Date FRIDAY - 2 DEC 1960

Committee's Minute

See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping.



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