

REPORT ON WATER TUBE BOILERS.

No. 7650 B

23 SEP 1960

Received at London Office

Date of writing Report 15.8. 19 60 When handed in at Local Office 19 Port of Helsingfors
 No. in Survey held at Helsingfors Date, First Survey 21.8.58 Last Survey 15.6. 19 60.
 g. Book. (Number of Visits) Gross 9427.34
 69 on the Diesel Electric Icebreaker "MOSKVA" Tons Net.....
 Built at Helsingfors By whom built Wärtsilä-koncernen Ab, Yard No. 365 When built 1960
 Engines made at Wasa By whom made Sandvikens Skeppsdocka, Engine No. When made 1960
 Boilers made at Helsingfors By whom made Wasa Mek. Verkstad, Boilers No. 2795 When made 1959
 2796
 Minimal Horse Power Owners U.S.S.R. Port belonging to Murmansk

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

Date of Approval of plan No. and Description or Type
 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
 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 { per rule Pressure to which they
 as fitted
 Are they fitted with easing gear In case of donkey boilers state whether steam from main boilers can enter
 Smallest distance between boilers or uptakes and bunkers or woodwork Height of boiler
 Steam Drums:—Number in each boiler Inside diameter
 Range of tensile strength Are drum shell plates welded
 If fusion welded, state name of welding firm Have all the requirements of the Rules
 Description of riveting:—Circ. seams long. seams
 Pitch of rivets Thickness of straps Percentage strength of
 Diameter of tube holes in drum Pitch of tube holes
 Steam Drum Heads or Ends:—Range of tensile strength
 Radius or how stayed Size of manhole or handhole Water Drums:—Number
 Inside diameter Thickness of plates Range of tensile strength Are drum shell plates
 If fusion welded, state name of welding firm Have all the requirements of the Rules
 Description of riveting:—Circ. seams long. seams
 Pitch of rivets Thickness of straps Percentage strength of
 Diameter of tube holes in drum Pitch of tube holes
 Water Drum Heads or Ends:—Range of tensile strength
 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
 Inside diameter Thickness of shell plates Range of tensile
 Description of longitudinal joint If fusion welded, state name of welding
 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
 If fusion welded, state name of welding firm Have all the requirements of the Rules
 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 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 - - 21.8.58 - 21.1.59 Is the approved plan of boiler forwarded herewith no
 while building During erection on board vessel - - 14.3.59 - 15.6.60 Total No. of visits 10

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. Material and workmanship found good. These
 two Boilers found fit for class.

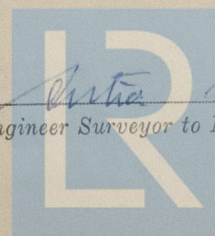
Survey Fee ... £ : : When applied for 19
 Travelling Expenses (if any) £ : : When received 19

FRIDAY 14 OCT 1960

Date

Committee's Minute See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping.



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