

REPORT ON ~~WATER TUBE BOILERS~~

No. 8158

10 MAY 1945

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of writing Report 13th Apr. 19 45 When handed in at Local Office 13th Apr. 19 45 Port of Baltimore, Maryland
 o. in Survey held at Baltimore, Maryland Date, First Survey Sept. 8th, 1944 Last Survey January 17th, 1945
 Bk. on the M. V. "LAVORO" (Number of Visits 4) {Gross 7886
299 on the M. V. "LAVORO" Tons {Net 4453
 at Trieste By whom built Cantieri Riuniti Dell' Adriatico When built 1938
 nes made at Turin By whom made Soc. An. "FIAT" S.G.M. When made 1938
 ers made at Trieste By whom made Cantieri Riuniti Dell' Adriatico When made 1938
 ninal Horse Power 929.6 Owners A. Lauro Port belonging to Naples

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

Number and Description or Type
 e of Approval of plan 3 starting air receivers Working Pressure 425 lbs. Tested by Hydraulic Pressure to - Date of Test -
 of Certificate - Can each receiver be worked separately Yes Total Heating Surface of Boilers -
 orced draught fitted - Area of fire grate (coal) in each Boiler - No. and description of safety valves on -
 and type of burners (oil) in each boiler - Area of each set of valves per boiler {per rule - Pressure to which they
 boiler - {as fitted -
 adjusted - Are they fitted with easing gear - In case of donkey boilers state whether steam from main boilers can enter -
 donkey boiler - Smallest distance between boilers or uptakes and bunkers or woodwork - Height of boiler -
 dth and Length - 3 Drums:—Number in each boiler - Inside diameter 48.75"
 ckness of plates 1.125 Range of Tensile Strength - Are drum shell plates welded -
 flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules -
 Class I vessels been complied with - Description of riveting:—Cir. seams S.R. Butt long. seams D. R. Butt
 ameter of rivet holes in long. seams 1.125 Pitch of rivets 5.75 Thickness of straps {Outer .8125 Inner .75" Percentage strength of -
 g. joint:—Plate 80.4% Rivet 97% Diameter of tube holes in drum - Pitch of tube holes -
 centage strength of shell in way of tubes - Steam Drum Heads or Ends:—Range of tensile strength -
 ckness of plates 1" Radius or how stayed radiused Size of manhole or handhole 16 1/4 x 12 1/2 Water Drums:—Number -
 each boiler - Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates -
 lded or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules -
 Class I vessels been complied with - Description of riveting:—Cir. seams - long. seam -
 ameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -
 centage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -
 centage strength of drum shell in way of tubes - Water Drum Heads or Ends:—Range of Tensile strength -
 ckness of plates - Radius or how stayed - Size of manhole or handhole -
 eaders or Sections:—Number - Material - Thickness - Tested by Hydraulic Pressure to -
 bes:—Diameter - Thickness - Number - Steam Dome or Collector:—Description of -
 int to Shell - Inside diameter - Thickness of shell plates - Range of tensile -
 length - Description of longitudinal joint - If fusion welded, state name of welding -
 Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -
 ck of rivets - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -
 Radius or how stayed -
 own or End Plates:—Range of tensile strength - Thickness - Inside Diameter -
 UPPERHEATER. Drums or Headers:—Number in each boiler - Are drum shell plates welded -
 ckness - Material - Range of tensile strength - Have all the requirements of the rules -
 flanged - If fusion welded, state name of welding firm - long. seams -
 r Class I vessels been complied with - Description of riveting:—Cir. seams - Percentage strength of -
 ameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of -
 ng. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -
 um shell in way of tubes - Drum Heads or Ends:—Thickness - Range of tensile strength -
 adius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -
 ested by Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which -
 n be shut off from the boiler - No. and description of Safety Valves - Area of each set -
 valves - Pressure to which they are adjusted - Is easing gear fitted -
 pare Gear. Has the spare gear required by the rules been supplied -

The foregoing is a correct description,

Manufacturer.

Dates } During progress of }
 of Survey } work in shops - - }
 while } During erection on }
 building } board vessel - - - }

Is the approved plan of boiler forwarded herewith NoTotal No. of visits -If so, state vessel's name and report No. -this boiler a duplicate of a previous case -

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 The three starting air receivers examined throughout at this time and the quality of materials and workmanship
 appear to be of a standard suitable for classification with this society.

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

Committee's Minute

Assigned

Transmit to London

NEW YORK APR 18 1945

J. G. B.

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation