

REPORT ON WATER TUBE BOILERS

No. 7904

Received at London Office

29 NOV 1943

Writing Report 29th Sept. 1943 When handed in at Local Office 7th Oct. 1943 Port of Baltimore, Maryland
 Survey held at Baltimore, Md. Date, First Survey 9th May Last Survey 26th Aug. 1943
 on the S. S. "LEONARDO da VINCI" (Number of Visits -) Gross 7515 Tons Net 4205
 Spezia By whom built Ansaldo San Giorgio When built 1925
 made at Sampierdarena By whom made Gio Ansaldo & Co. When made -
 made at Sampierdarena By whom made Gio Ansaldo & Co. When made -
 al Horse Power 1116 1126 Owners Ministry of War Transpost Port belonging to Mombassa

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Not Known

Approval of plan
 4 Yarrow Water Tube Working Pressure 200 lbs. Tested by Hydraulic Pressure to 350 lbs. Date of Test
 Certificate Can each boiler be worked separately Yes Total Heating Surface of Boilers 13628 sq. ft.
 draught fitted Yes Area of fire grate (coal) in each Boiler Oil Fired
 type of burners (oil) in each boiler 5 Todd "Hexpress"
 2 High Lift Area of each set of valves per boiler 19.8 25.71 = 12.855 sq. in. No. and description of safety valves on
 200 lbs. Are they fitted with easing gear Yes as fitted 4.1478 sq. in. Pressure to which they
 key boiler - In case of donkey boilers state whether steam from main boilers can enter
 and Length 16' 0" x 10' 10" Steam Drums:—Number in each boiler One Inside diameter 50"
 ss of plates .65", 2" in way of tubes Range of Tensile Strength - Are drum shell plates welded
 ged Flanged No? If fusion welded, state name of welding firm - Have all the requirements of the rules
 ss I vessels been complied with - Description of riveting:—Cir. seams DR Lap. long. seams D.R. Double Butt.
 er of rivet holes in long. seams 7/8" Pitch of rivets 4.44" Thickness of straps 17/32" Percentage strength of
 int:—Plate 80.29 Rivet - Diameter of tube holes in drum 1.78" Pitch of tube holes 2.563"
 ge strength of shell in way of tubes 30.45% Steam Drum Heads or Ends:—Range of tensile strength -
 ss of plates 27/32" Radius or how stayed 50" Size of manhole or handhole 15 1/2" x 11 3/4"
 boiler 2 Inside Diameter 15.12" & Thickness of plates 17/32", 1 3/4" in way of tubes. Water Drums:—Number
 or flanged Flanged If fusion welded, state name of welding firm - Are drum shell plates
 ss I vessels been complied with - Description of riveting:—Cir. seams S.R. lap. long. seam DR Lap. + ?
 er of rivet holes in long. seams 7/8" Pitch of rivets 2 25/32" Thickness of straps 17/32" + ?
 ge strength of long. joint:—Plate 68.54 Rivet 66.84 Diameter of tube holes in drum 1.78" Pitch of tube holes 2.56"
 ge strength of drum shell in way of tubes 30.49 Water Drum Heads or Ends:—Range of Tensile strength -
 ss of plates 13/16" Radius or how stayed 34" Radius Size of manhole or handhole 12" x 15 3/4"
 ss or Sections:—Number - Material - Thickness - Tested by Hydraulic Pressure to -
 —Diameter 1.75" Thickness 9 B.W.G. Number 4 x 938 Steam Dome or Collector:—Description of
 Shell - Inside diameter - Thickness of shell plates - Range of tensile
 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
 rivets - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -
 or End Plates:—Range of tensile strength - Thickness - Radius or how stayed -
 ERHEATER. Drums or Headers:—Number in each boiler None Fitted Inside Diameter -
 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
 I vessels been complied with - Description of riveting:—Cir. seams - long. seams -
 of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 nt:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of
 ll in way of tubes - Drum Heads or Ends:—Thickness - Range of tensile strength -
 how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -
 Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which
 out off from the boiler - No. and description of Safety Valves - Area of each set
 Pressure to which they are adjusted - Is easing gear fitted -
 Gear. Has the spare gear required by the rules been supplied -

The foregoing is a correct description,

Manufacturer.

During progress of
 work in shops - -
 During erection on
 board vessel - - -

Is the approved plan of boiler forwarded herewith

Total No. of visits

er a duplicate of a previous case No

If so, state vessel's name and report No. -

AL REMARKS (State quality of workmanship, opinions as to class, &c.)

These boilers were not built under Special Survey but have been thoroughly reconditioned, tested hydraulically.
 workmanship and material appears to be good. An accumulation test made and the safety valves found satisfactory.
 lers were also examined under full steaming conditions and are, in my opinion, eligible to be classed and recorded

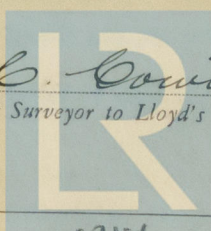
Fee £ SEE REPT. 9 : When applied for, 19
 ling Expenses (if any) £ - : When received, 19

tee's Minute

NEW YORK OCT 20 1943

d 4 W.T.B. - 200 lb.

Engineer Surveyor to Lloyd's Register of Shipping.



© 2020

Lloyd's Register
Foundation

002184 002193-0034