

REPORT ON WATER TUBE BOILERS.

No. 8470

Received at London Office.

Report made on 14th May, 1947 When handed in at Local Office 20th May, 1947 Port of Baltimore, Maryland
 Survey held at Baltimore, Maryland Date, First Survey March 23rd, Last Survey April 15th, 1947
 Name of the S.S. "VASILIOS E. KULUKUNDIS" (ex "Finley Peter Dunne") (Number of Visits 3) {Gross 7176
 Tons {Net 4380
 Built at Los Angeles, California By whom built California Shipbuilding Corp. When built 1943
 San Francisco, California By whom made Joshua Hendy Iron Works When made 1943
 California By whom made Western Pipe and Steel Company When made 1943
 Power 660 Owners Messrs. Rethymnis and Kulukundis Port belonging to Syria

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Lukens and Carnegie Steel Company

Number and Description or Type
 Two B and W - W.T. Cross Drum Working Pressure 240 Tested by Hydraulic Pressure to 375 Date of Test 2-23-43
 Can each boiler be worked separately Yes Total Heating Surface of Boilers 9704 square feet
 Area of fire grate (coal) in each Boiler - plus S.F. H. S. of 529 sq. ft.
 Four B and W oil burners No. and description of safety valves on
 4" Consolidated Duplex, Spring Covered Area of each set of valves per boiler {per rule 23.88 sq. in.
 as fitted 25.132 sq. in. Pressure to which they
 10 lbs. per sq. in. Are they fitted with easing gear Yes 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 16-5 5/8"
 14' 7 3/4" x 18' 7 1/2" Steam Drums:—Number in each boiler One Inside diameter 47 3/8"
 Range of Tensile Strength 70,000 lbs. Are drum shell plates welded
 If fusion welded, state name of welding firm Combustion Engineering Company, N. Y. Have all the requirements of the rules
 Built under ABS & U.S.C.G. Description of riveting:—Cir. seams - long seams -
 Pitch of rivets - Thickness of straps - Percentage strength of
 Rivet - Diameter of tube holes in drum 4 1/64" Pitch of tube holes 7"
 Steam Drum Heads or Ends:—Range of tensile strength 65,000 lbs.
 Radius or how stayed 38" Size of manhole or handhole 12 x 16 Water Drums:—Number
 None Inside Diameter Square header Thickness of plates wall 3/4" Range of tensile strength 65,000-70,000 lbs. Are drum shell plates
 Solid drawn If fusion welded, state name of welding firm - Have all the requirements of the rules
 Built under A.B.S. AND U.S.C.G. Description of riveting:—Cir. seams - long seam -
 Pitch of rivets - Thickness of straps -
 Diameter of tube holes Header 4 1/32" Pitch of tube holes 7"
 Water Drum Heads or Ends:—Range of Tensile strength -
 Radius or how stayed - Size of manhole or handhole -
 Number 22 Material Steel Thickness 9/16" Tested by Hydraulic Pressure to 375 lbs.
 2" and 4" Thickness 10 to 6 B.W.G. Number 602 and 44 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 of the rules for Class I vessels been complied with - Diameter of rivet holes -
 Thickness of straps - Percentage strength of long. Joint - Plate - Rivet -
 Plates:—Range of tensile strength - Thickness - Radius or how stayed -
 WATER, DONKEY or Headers:—Number in each boiler Two Inside Diameter 6" square
 5/8" Material Steel Range of tensile strength 60,000 - 70,000 lbs. Are drum shell plates welded
 If fusion welded, state name of welding firm - Have all the requirements of the rules
 Built under A.B.S. AND U.S.C.G. Description of riveting:—Cir. seams - long seams -
 Pitch of rivets - Thickness of straps - Percentage strength of
 Rivet - Diameter of tube holes in drum 2 1/64" Pitch of tube holes 3 3/4" Percentage strength of
 Drum Heads or Ends:— - Thickness - Range of tensile strength -
 Size of manhole or handhole - Number, diameter, and thickness of tubes 22-2"-10 B.W.G.
 Tested by Hydraulic Pressure to 375 lbs. Date of Test 2-23-43 Is a safety valve fitted to each section of the superheater which
 from the boiler Yes No. and description of Safety Valves One high lift - spring covered Area of each set
 76 square inches. Pressure to which they are adjusted 230 lbs. Is easing gear fitted Yes
 Has the spare gear required by the rules been supplied Yes

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith

Total No. of visits

If so, state vessel's name and report No. "CHARLES M. RUSSELL" Balt. Rpt. No. 8449

REMARKS (State quality of workmanship, opinions as to class, &c.) The W. T. boilers described above have, together
 with fittings, been opened up, examined throughout and placed in order, and again examined under steam, and the
 fittings adjusted. It is the opinion of the undersigned that the workmanship is good, the boilers well installed,
 and to be classed with the Society, with record of BS 4-47, when feed water regulators have been fitted to
 port and starboard boilers.

When applied for, 20 May, 1947
 When received, - 19 -

Minute NEW YORK JUN 4 1947
 WTB (SPT) 240 lbs.

Engineer Surveyor to Lloyd's Register of Shipping.

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