

REPORT ON WATER TUBE BOILERS.

No. 5481.

met. Rpt. 7081

Yes 7th Nov. 46 8th Nov. 46 Received at London Office 20 DEC 1946
 Report 28th June, 46 When handed in at Local Office 22nd June, 46 Port of Quebec, P.Q.
 Survey held at Amherst, N.S. Date, First Survey 16th May, Continuous Attendance 26th June, 1946.
 Shell Head on the "C" Type Coaster M/V "OTTAWA MAYTHORN"
 by Rules 25 at Oakland, Calif., USA By whom built Geo. T. Davie & Sons Ltd. When built 1946
 at Amherst, N.S. By whom made Atlas Imperial Diesel Engine Co. When made 1943
 e Power 98.9 Owners General Timber Products Ltd. Port belonging to Quebec

TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel The Steel Co. of Canada,
 val of plan December 14th, 1945, New York Number and Description, or, Type
 One-Admiralty type water tube Working Pressure 200 Tested by Hydraulic Pressure to 350 Date of Test 26-6-46.
 rate IR 108 Can each boiler be worked separately ----- Total Heating Surface of Boilers 620 square feet.
 ght fitted Yes Area of fire grate (coal) in each Boiler Oil fired
 of burners (oil) in each boiler One - Watt's type
 One 1 1/2" dia. Twin "Morrison" approved type Area of each set of valves per boiler { per rule 3.6
 200 Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter
 boiler ----- Smallest distance between boilers or uptakes and bunkers or woodwork 3'-6" Height of boiler 11'-4"
 length 5'-6" x 9'-8" Steam Drums:—Number in each boiler One Inside diameter 31"
 plates 9/16" Range of Tensile Strength 62340 lbs. Are drum shell plates welded
 rivetted If fusion welded, state name of welding firm rivetted construction Have all the requirements of the rules
 vessels been complied with ----- Description of riveting:—Cir. seams Single long. seams Double Butt
 rivet holes in long. seams 15/16" Pitch of rivets 3 1/2" Thickness of straps 9/16" Percentage strength of
 Plate 73.2% Rivet 101% Diameter of tube holes in drum 3-1-32" Pitch of tube holes 6-3/8"
 length of shell in way of tubes 53.8% Steam Drum Heads or Ends:—Range of tensile strength 62480-63580 lbs.
 plates 1/2" Radius or how stayed 2'-6" Size of manhole or handhole 12" x 16" Water Drums:—Number
 ----- Inside Diameter ----- Thickness of plates ----- Range of tensile strength ----- Are drum shell plates
 rivetted If fusion welded, state name of welding firm ----- Have all the requirements of the rules
 vessels been complied with ----- Description of riveting:—Cir. seams ----- long. seam -----
 rivet holes in long. seams ----- Pitch of rivets ----- Thickness of straps -----
 length of long. joint:—Plate ----- Rivet ----- Diameter of tube holes in drum ----- Pitch of tube holes -----
 length of drum shell in way of tubes ----- Water Drum Heads or Ends:—Range of Tensile strength -----
 plates ----- Radius or how stayed ----- Size of manhole or handhole -----
 Sections:—Number 2 Material O.H. steel Thickness 7/8" & 5/8" Tested by Hydraulic Pressure to 350 lbs.
 diameter 3" and 2 1/2" O.D. Thickness 8 and 9 BWG Number 110-21" O.D. 8 BWG Steam Dome or Collector:—Description of
 A-15 ----- Inside diameter ----- Thickness of shell plates ----- Range of tensile
 A-98 ----- Description of longitudinal joint ----- If fusion welded, state name of welding
 L889/2 ----- 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 -----
 End Plates:—Range of tensile strength ----- Thickness ----- Radius or how stayed -----

HEATER. Drums or Headers:—Number in each boiler ----- 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
 vessels been complied with ----- Description of riveting:—Cir. seams ----- long. seams -----
 rivet holes in long. seams ----- Pitch of rivets ----- Thickness of straps ----- Percentage strength of
 Plate ----- Rivet ----- Diameter of tube holes in drum ----- Pitch of tube holes ----- Percentage strength of
 way of tubes ----- Drum Heads or Ends:—Thickness ----- Range of tensile strength -----
 stayed ----- Size of manhole or handhole ----- Number, diameter, and thickness of tubes -----
 draulic Pressure to ----- Date of Test ----- Is a safety valve fitted to each section of the superheater which
 and off from the boiler ----- No. and description of Safety Valves ----- Area of each set
 Pressure to which they are adjusted ----- Is easing gear fitted -----
 ar. Has the spare gear required by the rules been supplied -----

ROBB ENGINEERING WORKS, LIMITED
 The foregoing is a correct description,
 J. H. Mackenzie
 General Manager Manufacturer.

During progress of work in shops - 16th, 30th May, and 26 June, 1946. Is the approved plan of boiler forwarded herewith
 During erection on board vessel - 29th June, 1946 to 2nd Nov. 1946. Total No. of visits

a duplicate of a previous case Yes. If so, state vessel's name and report No. 5473 Halifax,

L REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built in conformity
 he Society's Rules and Regulations, and to approved plans. The workmanship is good, and in
 nion this boiler is eligible to be fitted into a vessel classed with the Society. This Boiler
 on satisfactorily fitted aboard this Vessel and tried under full working conditions. Safety
 have been adjusted under steam, tested for accumulation and thickness of washers noted. This
 Classification 1st Class When applied for, 25 1946 Vessel is eligible, in my opinion, for a record
 g Expenses (if any) £ 16.00 When received, 19 of L.M.C. 11,46.

Engine Surveyor to Lloyd's Register of Shipping.

FRL 9 APR 1948
 In usual see J.E. Pfr
 Lloyd's Register Foundation

1944

WATER TUBE BOILERS

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the steel co. of america

1941

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one 04240 lbs

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