

# REPORT ON WATER TUBE BOILERS.

No. 5481.

knob. 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 228th 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"  
 (Number of Visits 3) (Gross 522.15 Tons) (Net 254.07 Tons)  
 Lauzon, Levis, Que. By whom built Geo. T. Davie & Sons Ltd. When built 1946  
 at Oakland, Calif., USA By whom made Atlas Imperial Diesel Engine Co. When made 1943  
 at Amherst, N.S. By whom made Robb Engineering Works Ltd., When made 1946  
 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,

1-2-46 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 1/4" dia. Twin "Morrison" approved type Area of each set of valves per boiler { per rule 3.6 Pressure to which they  
 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  
 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. 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 -----  
 bolts 30 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. 9 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. Mackenzie*  
 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  
 an 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 #1000 02 11/46 When applied for, Nov 25 1946 Vessel is eligible, in my opinion, for a record  
 g Expenses (if any) £ 16.00 11/46 When received, 19 of L.M.C. 11,46.

Engineer Surveyor to Lloyd's Register of Shipping.

e's Minute FRI 9 APR 1948  
*In unid. see J.E. Pfit*

