

REPORT ON WATER TUBE BOILERS.

16 DEC 1946

Received at London Office
 Date of writing Report 28th Oct. 46 When handed in at Local Office 29th Oct. 46 Port of Quebec, Que.
26th June 1946 15th June 26th April 22nd Oct. 46
 No. in Survey held at Quebec, Que. Date, First Survey 26th April Last Survey 30th May 1946
 Reg. Bk. 88368 on the "C" Type Coaster M/V "MAYMERE" (ex "Ottawa Maymere") (Number of Visits 3) Continuous Attendance 521.84
 Gross 521.84 Net 253.86
 Built at Quebec, Que. By whom built St. Lawrence Metal & Marine Works Inc. When built 1946
 Engines made at San Francisco By whom made Enterprise Eng. & Foundry Co. When made 1944
 Boilers made at Amherst, N. S. By whom made Robb Engineering Works Ltd. When made 1946
 Nominal Horse Power 112.3 Owners Maymere Shipping Co. Port belonging to Montreal

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

Date of Approval of plan December 14th, 1945, New York Number and Description or Type
 of Boilers One—Admiralty type water tube Working Pressure 200 Tested by Hydraulic Pressure to 350 Date of Test 30-5-46

No. of Certificate IR 105 Can each boiler be worked separately ----- Total Heating Surface of Boilers 620 square feet

Is forced draught fitted Yes Area of fire grate (coal) in each Boiler Oil fired

No. and type of burners (oil) in each boiler One - Watt's type No. and description of safety valves on
 each boiler One 1 1/2" dia. Twin "Morrison" approved type Area of each set of valves per boiler { per rule 3.6 Pressure to which they
 as fitted 4.8

are adjusted 200 lbs. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter
 the donkey boiler ----- Smallest distance between boilers or uptakes and bunkers or woodwork 3'-6" Height of boiler 11'-4"

Width and Length 5'-6" x 9'-8" Steam Drums:—Number in each boiler One Inside diameter 31"

Thickness of plates 9/16" Range of Tensile Strength 61980 lbs. Are drum shell plates welded
 or flanged rivetted If fusion welded, state name of welding firm rivetted construction Have all the requirements of the rules

for Class I vessels been complied with ----- Description of riveting:—Cir. seams Single long. seams Double Butt

Diameter of rivet holes in long. seams 15/16" Pitch of rivets 3 1/2" Thickness of straps 9/16" Percentage strength of
 long. joint:—Plate 73.2% Rivet 101% Diameter of tube holes in drum 3-1/32" Pitch of tube holes 6-3/8"

Percentage strength of shell in way of tubes 53.8% Steam Drum Heads or Ends:—Range of tensile strength 62480-63580 lbs.

Thickness of plates 1/2" Radius or how stayed 2'-6" Size of manhole or handhole 12" x 16" Water Drums:—Number
 in each boiler ----- Inside Diameter ----- Thickness of plates ----- Range of tensile strength ----- Are drum shell plates
 welded or flanged ----- If fusion welded, state name of welding firm ----- Have all the requirements of the rules

for Class I vessels been complied with ----- Description of riveting:—Cir. seams ----- long. seam -----

Diameter of rivet holes in long. seams ----- Pitch of rivets ----- Thickness of straps -----

Percentage strength of long. joint:—Plate ----- Rivet ----- Diameter of tube holes in drum ----- Pitch of tube holes -----

Percentage strength of drum shell in way of tubes ----- Water Drum Heads or Ends:—Range of Tensile strength -----

Thickness of plates ----- Radius or how stayed ----- Size of manhole or handhole ----- Tested by Hydraulic Pressure to 350 lbs. per sq. in.

Headers or Sections:—Number 2 Material O.H. Steel Thickness 7/8" & 3/4" Number 110-2 1/2" O.D. 9 BWG Steam Dome or Collector:—Description of
 Tubes:—Diameter 3" and 2 1/2" O.D. Thickness 8 and 9 BWG Number 18-3" O.D. 8 BWG Range of tensile
 Joint to Shell ----- Inside diameter ----- Thickness of shell plates -----

strength ----- Description of longitudinal joint ----- If fusion welded, state name of welding
 firm ----- Have all the requirements of the rules for Class I vessels been complied with ----- Diameter of rivet holes -----

Pitch of rivets ----- Thickness of straps ----- Percentage strength of long. joint ----- Plate ----- Rivet -----

Crown or End Plates:—Range of tensile strength ----- Thickness ----- Radius or how stayed -----

SUPERHEATER. Drums or Headers:—Number in each boiler ----- Inside Diameter ----- Are drum shell plates welded
 Thickness ----- Material ----- Range of tensile strength ----- Have all the requirements of the rules
 or flanged ----- If fusion welded, state name of welding firm ----- long. seams -----

for Class I vessels been complied with ----- Description of riveting:—Cir. seams ----- Percentage strength of
 Diameter of rivet holes in long. seams ----- Pitch of rivets ----- Thickness of straps ----- Percentage strength of
 long. joint:—Plate ----- Rivet ----- Diameter of tube holes in drum ----- Pitch of tube holes ----- Percentage strength of
 drum shell in way of tubes ----- Drum Heads or Ends:—Thickness ----- Range of tensile strength -----

Radius or how stayed ----- Size of manhole or handhole ----- Number, diameter, and thickness of tubes -----

Tested by Hydraulic Pressure to ----- Date of Test ----- Is a safety valve fitted to each section of the superheater which
 can be shut off from the boiler ----- No. and description of Safety Valves ----- Area of each set
 of valves ----- Pressure to which they are adjusted ----- Is easing gear fitted -----

Spare Gear. Has the spare gear required by the rules been supplied -----

The foregoing is a correct description,
 ROB ENGINEERING WORKS, LIMITED
 Manufacturer.

L.F. Mackenzie Jan 14-46

Dates of Survey while building } During progress of work in shops - - } 26th April, 16th and 30th May, 1946. Is the approved plan of boiler forwarded herewith -----
 } During erection on board vessel - - - } 15th June, 1946 to 22nd October, 1946 Total No. of visits -----

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built in conformity
with the Society's Rules and Regulations, and to approved plans. The workmanship is good, and in
my opinion is eligible to be fitted into a vessel classed with the Society. This Boiler has been
satisfactorily fitted aboard this Vessel and tried under full working conditions. Safety valves have
been adjusted under steam and tested for accumulation and thickness of washers noted.
This Vessel is eligible, in my opinion, for
a record of L.M.C. 10,46.

Survey Fee \$40.00 When applied for, June 26 1946.

Travelling Expenses (if any) \$16.00 Office ----- When received, 19

Installation BIR 100 - 400.22/46

Committee's Minute See F.E. Melby. rpt.

Assigned -----

