

## REPORT ON WATER TUBE BOILERS.

No. 5473

16 DEC 1946

28th Oct. 46

29th Oct. 46

Received at London Office

Quebec, Que.

Date of writing Report 26th June 1946 When handed in at Local Office

26th June 1946

Port of

Halifax, Nova Scotia

22nd Oct. 46

No. in Survey held at Quebec, Que. Halifax, Nova Scotia,

Date, First Survey

15th June

26th April

Last Survey 30th May 1946

46

Reg. Bk. 88368 on the "C" Type Coaster M/V "MAYMERE" (ex "Ottawa Maymere")

(Number of Visits 3) Gross 521.84

Tons Net 253.86

Built at Quebec, Que.

By whom built St. Lawrence Metal &amp; Marine Works Inc.

When built 1946

Engines made at San Francisco

By whom made Enterprise Eng. &amp; 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 LR 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

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 1/8" 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 Pitch of tube holes

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" &amp; 1" Tested by Hydraulic Pressure to 350 lbs. per sq. in.

Tubes:—Diameter 3" and 2 1/2" O.D. Thickness 8 and 9 BWG Number 22-24" O.D. 8 BWG Steam Dome or Collector:—Description of

Joint to Shell Inside diameter Thickness of shell plates Range of tensile

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

Thickness Material 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. seams

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,

ROBB ENGINEERING WORKS, LIMITED

Manufacturer.

Dates of Survey } During progress of } 26th April, 16th and 30th May, 1946. Is the approved plan of boiler forwarded herewith  
while } work in shops - - }  
building } During erection on } 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, &amp;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

Survey Fee \$40.00 Cred. Td. 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

Assigned See F.E. Melby. rpt.

Lloyd's Register

Foundation

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