

REPORT ON WATER TUBE BOILERS.

Final Rpt.
No. 5800

Received at London Office 1 APR 1943

Reporting Report 15 Jan. 1943 When handed in at Local Office 29th Jan 1943 Port of QUEBEC, P.Q.
 Survey held at Quebec, P.Q. Date, First Survey 16th July/42 Last Survey 8th January 1943
 on the Steel Single Screw Corvette U.S.S. "MIGHT" ex H.M.S. "MUSK" (Number of Visits -) Tons {Gross 832.15
 Net 251.14
 Quebec, P.Q. By whom built Morton Engineering & Dry Dock Co. When built 1943
 Made at Montreal, P.Q. By whom made Canadian Vickers Ltd. When made 1942
 St. Catharines, Ont. By whom made Foster Wheelers Ltd. When made 1942
 6.5.4 Horse Power 412 Owners British Admiralty Port belonging to -

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Constructed under B.C.

Approval of plan Two, Yarrow type, Foster Wheeler Working Pressure 225 lbs Tested by Hydraulic Pressure to 387 Number and Description of Tubes 42
 Certificate B. C. (P.T.O.) Can each boiler be worked separately Yes Total Heating Surface of Boilers 8260, sq. ft. Date of Test 10-6-42
 Draught fitted Yes Area of fire grate (coal) in each Boiler Three, Admiralty Type.
 Type of burners (oil) in each boiler One twin 2 1/2" Dia. cockburn No. and description of safety valves on
 Area of each set of valves per boiler {per rule 10.76 sq. in. (H.C.)
 as fitted 9.8 sq. inches Pressure to which they
 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 1'-7" Height of boiler -
 Steam Drums:—Number in each boiler - Inside diameter -
 Range of Tensile Strength - Are drum shell plates welded
 If fusion welded, state name of welding firm - Have all the requirements of the rules
 Description of riveting:—Cir. seams - long seams -
 Pitch of rivets - Thickness of straps - Percentage strength of
 Diameter of tube holes in drum - Pitch of tube holes -
 Steam Drum Heads or Ends:—Range of tensile strength -
 Radius or how stayed - Size of manhole or handhole - Water Drums:—Number
 Thickness of plates - Range of tensile strength - Are drum shell plates
 If fusion welded, state name of welding firm - Have all the requirements of the rules
 Description of riveting:—Cir. seams - long seam -
 Pitch of rivets - Thickness of straps -
 Diameter of tube holes in drum - Pitch of tube holes -
 Water Drum Heads or Ends:—Range of Tensile strength -
 Radius or how stayed - Size of manhole or handhole -
 Number - Thickness - Tested by Hydraulic Pressure to -
 Steam Dome or Collector:—Description of
 Range of tensile
 If fusion welded, state name of welding
 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 -
 RHEATER. 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
 Description of riveting:—Cir. seams - long seams -
 Pitch of rivets - Thickness of straps - Percentage strength of
 Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of
 Drum Heads or Ends:—Thickness - Range of tensile strength -
 Size of manhole or handhole - Number, diameter, and thickness of tubes -
 Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which
 No. and description of Safety Valves - Area of each set
 Pressure to which they are adjusted - Is easing gear fitted -
 Has the spare gear required by the rules been supplied Yes

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - B. C. Inspection Is the approved plan of boiler forwarded herewith. No
 During erection on board vessel - Various from 16th July/42 to 7th Jan/43 Total No. of visits Included with Machinery Visits.

Is a duplicate of a previous case. No If so, state vessel's name and report No. -

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The two water tube boilers constructed under
 supervision of the British Corporation Surveyors, have been satisfactorily fitted on board the
 examined under steam. The safety valves have been adjusted as stated on Machinery Report and
 for accumulation. In accordance with instructions contained in Circular Letter No. 1775 dated
 February/41. This vessel is in my opinion eligible for a record of L.M.C.* 1-43.

Fee - 200/-
 When applied for, Feb 19 1943
 When received, 19
 Additional Expenses (if any) £ - 150/-
 Charged with Machinery expenses.

Owner's Minute See 172 machy r/l.
 FRI. 16 APR 1943



