

REPORT ON WATER TUBE BOILERS.

No. 6355

Received at London Office.

of writing Report 18th Oct., 1944 When handed in at Local Office 18th Oct., 1944 Port of Vancouver, B. C.
 in Survey held at Vancouver, B. C. Date, First Survey 21st June, 1944 Last Survey 2nd October, 1944
 g. Bk. on the Steel Single Screw Steamer "WESTON PARK" (Number of Visits 15) Tons {Gross 6709.20
 Net 4236.39
 at Vancouver, B. C. By whom built West Coast Shipbuilders, Ltd. When built 1944
 ines made at Montreal, Que. By whom made Canadian Allis-Chalmers, Ltd. When made 1944
 44 lers made at Vancouver, B. C. By whom made Vancouver Iron Works, Ltd. When made 1944
 6.6.44 ninal Horse Power 628 Owners Minister of Munitions & Supply of Canada. (Mtrs. Park Steamship Co. Ltd.) Port belonging to Montreal, P.Q.

ATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY—Manufacturers of Steel Steel Co. of Canada, Page-Hersey Tubes, & Combustion Eng. Co., Chattanooga.
 e of Approval of plan 17-7-43 (Spt. 230 lb.) Number and Description or Type
 Boilers 2 Sinuous Header Watertube Working Pressure 250 lbs. Tested by Hydraulic Pressure to 425 lbs. Date of Test 3-7-44
 of Certificate Nos. 729 & 730 Can each boiler be worked separately Yes Total Heating Surface of Boilers 9704 sq. ft. (2 Blrs.)
 forced draught fitted Yes Area of fire grate (coal) in each Boiler —
 and type of burners (oil) in each boiler 4 Todd "Hex - Press" Burners

b boiler One Twin 4" spring loaded Area of each set of valves per boiler {per rule 22.9 sq. in. No. and description of safety valves on
 as fitted 25.14 " " Pressure to which they are adjusted 230 lbs. 23.9 with 8 1/2 at 450°
 yd's 8e adjusted 250 lbs. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter
 P 4.7.4 donkey boiler — Smallest distance between boilers or uptakes and bunkers or woodwork 23" Height of boiler 16'-5-5/8"

idth and Length 14'-7 1/2" x 18'-7 1/2" Steam Drums:—Number in each boiler One Inside diameter 47 3/8"
 ickness of plates 15/16" Range of Tensile Strength 70,000 to 82,000 lbs. Are drum shell plates welded
 flanged Welded If fusion welded, state name of welding firm Vancouver Iron Works, Ltd. Have all the requirements of the rules
 r Class I vessels been complied with Yes Description of riveting:—Cir. seams — long. seams —

diameter of rivet holes in long. seams — Pitch of rivets — Thickness of straps — Percentage strength of
 ng. joint:—Plate — Rivet — Diameter of tube holes in drum 4-1/32" Pitch of tube holes 7"
 percentage strength of shell in way of tubes 42.5% Steam Drum Heads or Ends:—Range of tensile strength 65,000 to 77,000 lbs.

ickness of plates 15/16" Radius or how stayed 38" Size of manhole or handhole 12" x 16" Water Drums:—Number
 each boiler One Inside Diameter 5 1/2" sq. Thickness of plates 3/4" Range of tensile strength 60,000 - 70,000 lbs.
 elded or flanged Solid drawn If fusion welded, state name of welding firm — Have all the requirements of the rules
 r 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 4-1/32" Pitch of tube holes 7"
 percentage strength of drum shell in way of tubes 42.5% Water Drum Heads or Ends:—Range of Tensile strength 60,000 to 70,000 lbs.

ickness of plates 9/16" min. Radius or how stayed Handholes in end Size of manhole or handhole 4 1/2" x 5 1/2"
 leaders or Sections:—Number 22 Material Steel Thickness 9/16" Tested by Hydraulic Pressure to 500 lbs.
 ally tubes:—Diameter 2" & 4" Thickness 10&6 BWG (.134" .203") Number 602-2". 44-4" Steam Dome or Collector:—Description of
 int to Shell — Inside diameter — Thickness of shell plates — Range of tensile

ength — Description of longitudinal joint — If fusion welded, state name of welding
 rm — Have all the requirements of the rules for Class I vessels been complied with — Diameter of rivet holes —
 itch of rivets — Thickness of straps — Percentage strength of long. joint — Plate — Rivet —
 brown or End Plates:—Range of tensile strength — Thickness — Radius or how stayed —

UPERHEATER. Drums or Headers:—Number in each boiler Two Inside Diameter 6" square
 ickness 5/8" Material Steel Range of tensile strength 60,000 to 70,000 lbs. Are drum shell plates welded
 r flanged Forged If fusion welded, state name of welding firm — Have all the requirements of the rules
 or 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
 ong. joint:—Plate — Rivet — Diameter of tube holes in drum 2-1/64" Pitch of tube holes 3-3/4" Percentage strength of
 drum shell in way of tubes 46% Drum Heads or Ends: Welded to inlet and outlet nozzles. Range of tensile strength —
 Radius or how stayed — Size of manhole or handholes 4 1/2" x 5 1/2" Number, diameter, and thickness of tubes 22 off 2" OD 10BWG .134 wall.

Tested by Hydraulic Pressure to 425 lbs. Date of Test 3-7-44 Is a safety valve fitted to each section of the superheater which
 can be shut off from the boiler Yes No. and description of Safety Valves One Area of each set
 of valves 1.76 sq. inches Pressure to which they are adjusted 230 lbs. Is easing gear fitted No

Spare Gear. Has the spare gear required by the rules been supplied Yes
 Note: Headers, Superheater headers and mud drums
 manufactured by Combustion Engineering Co. Inc.
 at Chattanooga, Tennessee, under Mobile
 Surveyors inspection and certificate.
 The foregoing is a correct description,
Vancouver Iron Works Ltd. Manufacturer.

Dates of Survey } During progress of } 1944. June 21, 24, 26, 27, 29, 30. July 3, 4. Is the approved plan of boiler forwarded herewith No
 while } work in shops } 1944. Aug. 14, 28. Sept. 5, 13, 15, 25. Plans in U.K.
 building } board vessel } Oct. 2. Total No. of visits 15

Is this boiler a duplicate of a previous case Yes If so, state vessel's name and report No. "FORT COLUMBIA" (Ver. Report No. 5942)
 GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built and fitted on
board under Special Survey in accordance with the approved plans, New York letters and the Rules.
The workmanship is good and the materials tested as per Rule. Satisfactorily tested under hydraulic
pressure as above, examined under working conditions, safety valves adjusted to the W.P. and a
satisfactory accumulation test carried out.
 Survey Fee \$150.00 When applied for, Oct., 1944
 Travelling Expenses (if any) \$ 15.00 When received, 19

Committee's Minute See p. 15 DEC 1944
 Assigned See p. machy rpt.
 © 2020 Lloyd's Register Foundation