

REPORT ON WATER TUBE BOILERS.

No. 6134 (a)

Completed

Received at London Office

Date of writing Report 8th Aug., 1950 When handed in at Local Office 8th Aug., 1950

Port of Halifax, N. S.

16 SEP 1950

Survey held at Halifax, N. S. Date, First Survey 28th Oct., 1949 Last Survey 26th July 1950

on the Steel Twin Screw Motorship "BAHIA THETIS" (Number of Visits 7) Tons Gross 3830.75

built at Halifax, N. S. By whom built Halifax Shipyards, Limited Yard No. 18 When built 1950

Engines made at Milwaukee, Wis. By whom made Nordberg Manufacturing Co. Engine No. TSM-2155 When made 1949

Motors made at St. Catherines, Ont. By whom made Foster Wheeler, Ltd. Boiler No. 1708 When made 1949

838 MN Owners Argentine Government Port belonging to Buenos Aires.

WATER TUBE BOILERS MAIN, AUXILIARY OR DONKEY. (Particulars also entered from Tto. Rpt. 5c - No. 1329 attached hereto). Manufacturers of Steel Shell-Lukens Steel Co.; Heads - The Steel Co. of Canada, Ltd.

Date of Approval of plan Sept. 18th and Oct. 25th, 1948, Montreal. No. and Description of Type

Boilers One - "D" Type, two drum Working Pressure 50 lbs. Tested by Hydraulic Pressure to 200 lbs. Date of Test 22-2-49

of Certificate 1329 Can each boiler be worked separately. Total Heating Surface of Boilers 760 sq. ft.

forced draught fitted. Yes Area of Fire Grate (coal) in each Boiler (Oil fired)

and type of burners (oil) in each boiler One-Todd "Vee-Cee" type, variable capacity No. and description of safety valves on

each boiler One-2 1/4" Twin Cockburn Morrison Hi-lift Area of each set of valves per boiler { per rule - as fitted 7.8 sq. ins. Pressure to which they

adjusted 50 lbs./sq. in. Are they fitted with easing gear. Yes In case of donkey boilers state whether steam from main boilers can enter

donkey boiler (Motorship) Smallest distance between boilers or uptakes and bunkers 1'-9" Height of boiler 11'-2-3/16"

width and length 7'-0-1/8" x 7'-6-5/16" Steam Drums: Number in each boiler One Inside diameter 24"

thickness of plates 5/8" Range of tensile strength 28 to 35 tons/sq. in. Are drum shell plates welded

flanged Welded If fusion welded, state name of welding firm Foster Wheeler, Ltd. Have all the requirements of the Rules

Class I vessels been complied with Yes. Description of riveting: Circ. 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 1.015" & 1.515" Pitch of tube holes 1-17/32" & 3/4"

percentage strength of shell in way of tubes 33.7% & 53.4% Steam Drum Heads or Ends: Range of tensile strength 26 to 35 tons/sq. in.

thickness of plates 5/8" Radius or how stayed 24" Rad. Size of manhole or handhole 12" x 16" Water Drums: Number

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The foregoing is a correct description,

(Dates also entered from Tto Rpt. 5c - No. 1329)

During progress of work in shops - June 4, Sept. 2, 29, Nov. 9, 27, Dec. 6, 14, 1948; Is the approved plan of boiler forwarded herewith Yes

During erection on board vessel - Oct. 28, Nov. 1, 1949; Mar. 23, May 17, June 16, 22, July 26, 1950. Total No. of visits 19

Is this boiler a duplicate of a previous case. Yes If so, state vessel's name and report No. M/V "BAHIA AGUIRRE", Hfx. Rpt. 4b- No. 6110

M/V "BAHIA BUEN SUCESO" " " " " No. 6117

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. This Donkey Boiler has been built under the supervision

of the Society's Surveyors and installed on board the vessel in accordance with the Requirements of the Rules and the Approved

Plans. (See also Tto. Rpt. 5c No. 1329, forwarded herewith). The safety valves have been adjusted under steam to pressure as

indicated above, and the boiler has been tested under working conditions and found satisfactory. The workmanship and materials

are good and it is recommended that this Donkey Boiler, in conjunction with the Main Machinery, is eligible, in our opinion,

to be classed LMC 8,50.

Collected at Toronto. Survey Fee (See Tto. Rpt. 5c, No. 1329) When applied for 19 Travelling Expenses (if any) £ When received 19 (Incl. in Hfx. Rpt. 4B-No. 6134)

Date FRI 29 SEP 1950

Committee's Minute See Minute on S.C. Rpt.

Engineer Surveyor to Lloyd's Register of Shipping. J. P. Laurie

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