

REPORT ON WATER TUBE BOILERS.

Ind. Rpt. No. 9906

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Received at London Office

Writing Report 9th Nov. 19 53 When handed in at Local Office 10th Nov. 19 53 Port of QUEBEC, P.Q.
 Survey held at Lauzon, P.Q. Date, First Survey 17th June, Last Survey 9th November, 19 53.
 S on the Steel Single Screw Steamer (Tanker) "ANDROS VENTURE" (Number of Visits 25) Gross 17845
 at Lauzon, P.Q. By whom built Davie S.B. & Rprg. Co. Ltd. Yard No. 595 When built 1953
 es made at Lynn, Mass. By whom made General Electric Co. Engine No. 97873 When made 1953
 made at St. Catharines, Ont. & Quebec, P.Q. By whom made Foster Wheeler Ltd. Boiler No. 5115 When made 1953
 al Horse Power - Owners Andros Shipping Ltd. Port belonging to Montreal

ER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Lukens Steel Co.

Approval of plan 14-1-53
 ers TWO (2) Foster Wheeler Type 'D' Marine Working Pressure 675 Tested by Hydraulic Pressure to 1065 lbs. No. and Description or Type
 Certificate 2226 P. 2226 S Can each boiler be worked separately Yes Total Heating Surface of Boilers 18390 20980 - See Mill Letter
 and draught fitted Yes Furnace Volume 1135 Cubic Feet
 l type of burners (oil) in each boiler Four Todd. Marine type
 No. and description of safety valves on
 iler Two x 1 1/2" Area of each set of valves per boiler 1.77 sq. in. each Pressure to which they
 uted 675 & 670 lbs. Are they fitted with easing gear Yes. In case of donkey boilers state whether steam from main boilers can enter
 key boiler - Smallest distance between boilers or uptakes and bunkers or woodwork 7' - 0" Height of boiler 24'-11 1/2"
 and length 14'-10 3/8' - 5 3/4' Steam Drums:—Number in each boiler one (1) Inside diameter 48" 24" R. 22 1/2" R
 ss of plates 1 3/8" wrapper 3 7/16" tube. Range of tensile strength A 212 - 50 - Grade B Are drum shell plates welded
 ed welded If fusion welded, state name of welding firm Foster Wheeler, Ltd. Have all the requirements of the Rules
 s I vessels been complied with Yes Description of riveting:—Circ. seams - long. seams -
 r of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 ing joint:—Plate - Rivet - Diameter of tube holes in drum 1.278", 2.028" Pitch of tube holes 1 7/8", 4 1/2"
 ge strength of shell in way of tubes 31.3; 31.3; & 29.3 in Steam Drum Heads or Ends:—Range of tensile strength A 212-50 Grade 'B'
 ss of plates 1 3/16" 1 13/16" Radius or how stayed Ellipsoidal Size of manhole or handhole 12" x 16" Water Drums:—Number
 boiler one (1) Inside diameter 32" (30") Thickness of plates 2 5/16" Range of tensile strength A 212-50 Grade 'B' Are drum shell plates
 or flanged welded If fusion welded, state name of welding firm Foster Wheeler, Ltd. Have all the requirements of the Rules
 s I vessels been complied with Yes Description of riveting:—Circ. seams - long. seams -
 r of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 ge strength of long. joint:—Plate ----- Rivet - Diameter of tube holes in drum 1.278", 2.028" Pitch of tube holes 1 7/8", 4 1/2"
 ge strength of drum shell in way of tubes 31.3; 36.4; 18.3 Water Drum Heads or Ends:—Range of tensile strength A 212-50 Grade 'B'
 s of plates 13/16" & 1 3/16" Radius or how stayed Ellipsoidal Size of manhole or handhole 12" x 16"
 or Sections:—Number 3 Material AS & TA-106-46 Thickness 1 1/2" Tested by hydraulic pressure to 1350 lbs.
 Diameter 1 1/4", 2" & 3" Thickness BWG. 6, 9, 11. Number 1252, 143, 12 Steam Dome or Collector:—Description of
 hell - Inside diameter - Thickness of shell plates - Range of tensile
 Description of longitudinal joint - If fusion welded, state name of welding
 Have all the requirements for the Rules for Class I vessels been complied with - Diameter of rivet holes
 rivets - Thickness of straps - Percentage strength of long. joint - plate - rivet -
 End Plates:—Range of tensile strength - Thickness - Radius or how stayed -
HEATER, Drums or Headers:—Number in each boiler 4 sections Inside diameter 7 3/4"
1 1/2" Material ASTM-A-206 Class B USCG 51.34 Grade 'B'
Solid drawn If fusion welded, state name of welding firm - Are drum shell plates welded
 vessels been complied with Yes Description of riveting:—Circ. seams - long. seams -
 f rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 Plate - Rivet - Diameter of tube holes in drum 1 1/4" Pitch of tube holes 1 7/8" Percentage strength of
 in way of tubes 33.3 Drum Heads or Ends:—4 ends Thickness 1 3/8" Range of tensile strength Grade 'B'
 f Sh how stayed App. 14-1-53 Size of manhole or handhole 3.406" x 2.781" Number, diameter, and thickness of tubes 1 1/4" 11GA 120
 ydraulic pressure to 1350 lbs. Date of test 13-3-53 Is a safety valve fitted to each section of the superheater which
 off from the boiler - No. and description of safety valves one x 1 1/2 Dia. Area of each set
1.27 square inch. Pressure to which they are adjusted 635 lbs. Is easing gear fitted Yes
 r. Has the specr DAVIE SHIPBUILDING & REPAIRING CO. LTD. Yes ✓

[Signature]
 NAVAL ARCHITECT

The foregoing is a correct description,

During progress of work in shops 25-2-53, 9-3-53, 13-3-53, 27-3-53, 13-4-53 Is the approved plan of boiler forwarded herewith No.
 During erection on board vessel Sept 9, 21; Oct. 8, 16, 23, 26; Nov 3, 5, 6, 9. Total No. of visits 5 & 20 = 25

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

L REMARKS (State quality of workmanship, opinions as to class, &c. Please see Toronto Report No. 2226.)
 ilers have now been built in the Vessel under Special Survey and in accordance with Approved Pland and the

s Rules. Hydrostatic test carried out as stated above. The Safety Valves were adjusted under Steam Drum
 0 lbs. Superheat 635 lbs. Locking nuts hardened up and Valves tested for accumulation. The Boilers have been
 er full and overload conditions and the workmanship and materials are good.

Fee ... Please see When applied for 19.
 ling Expenses (if any) mach. Rpt. When received 19.

FRIDAY 11 JUN 1954

Engineer Surveyor to Lloyd's Register of Shipping.

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