

REPORT ON WATER TUBE BOILERS.

No. 1006

Date of writing Report Sept. 17, 1940. When handed in at Local Office

Port of Cleveland, Ohio.

Received at London Office

FEB 17 1941

No. in Survey held at Dansville, New York. Date, First Survey August 18th, Last Survey August 19th 1940.
 Reg. Bk. on the (Sun Shipbuilding & Dry Dock Co's Hull No. 196) (Number of Visits 2) Gross Tons Net Tons
 Master Built at By whom built When built
 Engines made at Dansville, N.Y. By whom made (FWB 475-6) When made
 Boilers made at Chester, Pa. By whom made Foster Wheeler Corp. (& WHB 190) When made 1940
 Registered Horse Power Owners Sun Oil Company Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

(Letter for Record) Date of Approval of plan Number and Description or Type of Boilers (2) Water Tube Working Pressure 245# Tested by Hydraulic Pressure to 368# Date of Test 8/19/40
 No. of Certificate Can each boiler be worked separately Total Heating Surface of Boilers
 Is forced draught fitted Area of fire grate (coal) in each Boiler Total grate area of boilers in vessel including Main and Auxiliary No. and type of burners (oil) in each boiler No. and description of safety valves on each boiler Area of each valve Pressure to which they are adjusted
 Are they fitted with easing gear 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 Height of Boiler Width and Length
 Steam Drums:—Number in each boiler Inside diameter Material of plates Thickness Range of Tensile Strength Are drum shell plates welded or flanged Description of riveting:—Cir. seams long. seams Diameter of rivet holes in long. seams Pitch of Rivets
 Lap of plate or width of butt straps Thickness of straps Percentage strength of long. joint:—Plate Rivet
 Diameter of tube holes in drum Pitch of tube holes Percentage strength of shell in way of tubes
 If Drum has a flat side state method of staying Depth and thickness of girders at centre (if fitted) Distance apart Number and pitch of stays in each Working pressure by rules
 Steam Drum Heads or Ends:—Material Thickness Radius or how stayed
 Size of Manhole or Handhole Water Drums:—Number in each boiler Inside Diameter Material of plates Thickness Range of tensile strength Are drum shell plates welded or flanged Description of riveting:—Cir. seams long. seams Diameter of Rivet Holes in long. seams Pitch of rivets Lap of plates or width of butt straps 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 Water Drum Heads or Ends:—Material Thickness Radius or how stayed Size of manhole or handhole
 Material Steel Thickness 11/16 Av. Wall Tested by Hydraulic Pressure to 368# Material of Stays Area at smallest part Area supported by each stay Working Pressure by Rules Tubes:—Diameter 2" Thickness #1-. B.W.G. Number 288 Steam Dome or Collector:—Description of Joint to Shell Percentage strength of Joint Diameter Thickness of shell plates Material Description of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell by Rules Crown or End Plates:—Material Thickness How stayed
 SUPERHEATER. Type Date of Approval of Plan 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 Diameter of Safety Valve Pressure to which each is adjusted Is easing gear fitted Is a drain cock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes
 Spare Gear. Tubes Gaskets or joints:—Manhole Handhole Handhole plates

The foregoing is a correct description,

Manufacturer.

Dates of Survey During progress of work in shops August 18th and 19th, 1940. Is the approved plan of boiler forwarded herewith
 while During erection on board vessel Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) Headers for these boilers, also a mud drum 7-1/4" square, 5/8" average wall thickness, 6'8" length, and 2 Collector headers 6-5/8" O.D., 1/2" thickness, 7'-9-3/8" length, made from seamless steel tubes, were examined and tested to 368 lbs., hydraulic pressure. These boiler parts were constructed in accordance with the

Rules and approved plans, and the materials and workmanship were found good.
 This material has been shipped to the Foster Wheeler Corp., Cartaret, N.Y.

Survey Fee ... £ : When applied for, 4 JAN. 1941, AT PHIL.
 Travelling Expenses (if any) \$12.00 : When received, 19

E. Drummond

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NEW YORK JAN 8 - 1941

Assigned See attached Report Phil. No. 7969.



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