

REPORT ON WATER TUBE BOILERS.

No. 115429

Received at London Office

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No. in Survey held at London Date, First Survey 1-5-47 Last Survey 5-6-1947

Bo. Book. on the S.S. SAMMEX "SHEAFMEAD" (Number of Visits 9) Gross... Tons

built at Baltimore By whom built Bethlehem Fairfield S/ya Inc Yard No. When built 1943

Engines made at Harrison N.J. By whom made Worthington Pump & Mach Engine No. When made 1943

Boilers made at By whom made Babcock & Wilcox Boiler No. When made 1943

Minimal Horse Power Owners Sheaf Ship. Shipping Co. Ltd. Port belonging to Newcastle

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

Date of Approval of plan 25/16. No. and Description or Type (stated) 2, Watertube B&W marine type Working Pressure 230 lb. Tested by Hydraulic Pressure to 375 lb. Date of Test 3/9/47

No. of Certificate... Can each boiler be worked separately... Total Heating Surface of Boilers 10233 sq feet

Forced draught fitted yes Area of Fire Grate (coal) in each Boiler oil fired Total = 9704 sq ft

No. and type of burners (oil) in each boiler 4 B&W Decagon double front type No. and description of safety valves on each boiler 2 Spring loaded high lift + impulse Area of each set of valves per boiler as fitted 2-4" dia and 1-1/4" dia Pressure to which they are adjusted 250 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 yes Smallest distance between boilers or uptakes and bunkers or woodwork 3'0 Height of boiler 18'-7"

Width and length 14'-5" - 14'-8" Steam Drums: Number in each boiler 1 Inside diameter 47 3/8 Are drum shell plates welded thickness of plates 15/16 Range of tensile strength... Have all the requirements of the Rules flanged S. drawn If fusion welded, state name of welding firm... Description of riveting:—Circ. seams... long. seams... Class I vessels been complied with... 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 2" x 4" Pitch of tube holes... Percentage strength of shell in way of tubes... Steam Drum Heads or Ends:—Range of tensile strength... Size of manhole or handhole 12" x 16" Water Drums:—Number... Are drum shell plates welded or flanged... If fusion welded, state name of welding firm... Have all the requirements of the Rules... Class I vessels been complied with... 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... Pitch of tube holes... Percentage strength of drum shell in way of tubes... Water Drum Heads or Ends:—Range of tensile strength... Size of manhole or handhole 16" x 12" Thickness of plates 15/16 Radius or how stayed Radius Tested by hydraulic pressure to... Leaders or Sections:—Number... Material... Thickness... Tested by hydraulic pressure to... Tubes:—Diameter 4" - 2" Thickness 6 & 10 B & G Number 88 & 624 Steam Dome or Collector:—Description of joint to shell... Inside diameter... Thickness of shell plates... Range of tensile strength... Description of longitudinal joint... If fusion welded, state name of welding firm... Have all the requirements for the Rules for Class I vessels been complied with... Diameter of rivet holes... plate... rivet... Pitch of rivets... Thickness of straps... Percentage strength of long. joint... plate... rivet... Crown or End Plates:—Range of tensile strength... Thickness... Radius or how stayed... Inside diameter 6" square Are drum shell plates welded or flanged... If fusion welded, state name of welding firm... Have all the requirements of the Rules... long. seams... Class I vessels been complied with... Description of riveting:—Circ. seams... long. seams... Percentage strength of diameter of rivet holes in long. seams... Pitch of rivets... Thickness of straps... Percentage strength of long. joint... 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... Drum Heads or Ends:—Thickness... Range of tensile strength... Number, diameter, and thickness of tubes... Radius or how stayed... Size of manhole or handhole... 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 1 Area of each set of valves... Pressure to which they are adjusted 230 lbs sq in Is easing gear fitted yes

SUPERHEATER, Drums or Headers: Number in each boiler 2 Inside diameter 6" square Are drum shell plates welded thickness 5/8 Material... Range of tensile strength... Have all the requirements of the Rules flanged... If fusion welded, state name of welding firm... long. seams... Class I vessels been complied with... Description of riveting:—Circ. seams... long. seams... Percentage strength of diameter of rivet holes in long. seams... Pitch of rivets... Thickness of straps... Percentage strength of long. joint... 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... Drum Heads or Ends:—Thickness... Range of tensile strength... Number, diameter, and thickness of tubes... Radius or how stayed... Size of manhole or handhole... 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 1 Area of each set of valves... Pressure to which they are adjusted 230 lbs sq in Is easing gear fitted yes

Spare Gear. Has the spare gear required by the Rules been supplied. The foregoing is a correct description, Manufacturer.

Dates Survey while building } During progress of work in shops - - } Is the approved plan of boiler forwarded herewith } Total No. of visits }

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. Boilers examined and found in good order, workmanship and materials appear to be good. Boilers are, in our opinion eligible to be classed subject to the plans now submitted being approved

Survey Fee ... £ ... When applied for 19... Travelling Expenses (if any) £ ... When received 19...

Date FRI. 12 SEP 1947
Committee's Minute
Lloyd's Register Foundation 01615-016623-0233