

# REPORT ON WATER TUBE BOILERS.

No. 54532.

Received at London Office

Date of writing Report 19 28 NOV 1947 When handed in at Local Office 19 HULL. Port of HULL.  
 No. in Survey held at HULL. Date, First Survey 13.10.47 Last Survey 6.11.1947  
 Reg. Bk. 32573 on the "SPRINGBANK" ex "SAMSPELGA". (Number of Visits 10) Tons { Gross 7248 Net 4408  
 Built at Baltimore Md. By whom built Bethlehem Fairfield Shipyard Inc. When built 1944  
 Engines made at Hamilton O. By whom made General Mach. Corp. When made -do-  
 Boilers made at - By whom made - When made -  
 Nominal Horse Power - Owners Bank Line Ltd. Port belonging to Glasgow.

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

Date of Approval of plan - Number and Description or Type of Boilers 2 Babcock & Wilcox Type. Working Pressure 250 lb. Tested by Hydraulic Pressure to - Date of Test -  
 No. of Certificate - Can each boiler be worked separately - Total Heating Surface of Boilers 2 x 4852 sq. ft.  
 Is forced draught fitted Yes Area of fire grate (coal) in each Boiler - No. and description of safety valves on each boiler 2 each (main.) Area of each set of valves per boiler { per rule - as fitted 2 at 12.56 sq. in. Pressure to which they are adjusted 250 lbs. Are they fitted with easing gear Yes 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 one Inside diameter 47 1/8 41.3/8" Thickness of plates 1.5/16" Range of Tensile Strength - Are drum shell plates welded or flanged welded If fusion welded, state name of welding firm - Have all the requirements of the rules for 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 long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -  
 Percentage strength of shell in way of tubes - Steam Drum Heads or Ends:—Range of tensile strength - Thickness of plates - Radius or how stayed - Size of manhole or handhole - Water Drums:—Number in each boiler - Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates welded or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules for 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 - Pitch of tube holes -  
 Percentage strength of drum shell in way of tubes - Water Drum Heads or Ends:—Range of Tensile strength - Thickness of plates - Radius or how stayed - Size of manhole or handhole -  
 Headers or Sections:—Number 22 uptake 22 downtake 22 Material - Thickness 22 at 4" Tested by Hydraulic Pressure to -  
 Tubes:—Diameter 4" x 6 BWG 2" x 10 BWG Thickness - Number 602 at 2" 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 of the rules for Class I vessels been complied with - Diameter of rivet holes -  
 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 - Dimensions 6" x 6"  
 SUPERHEATER. Drums or Headers:—Number in each boiler 2 Thickness 5/8" Material - Range of tensile strength - Are drum shell plates welded or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules for 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 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 -  
 Radius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -  
 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 - No. and description of Safety Valves 1 spring loaded Area of each set of valves 1.76 sq. ins. Pressure to which they are adjusted 245 lbs. Is easing gear fitted Yes  
 Spare Gear. Has the spare gear required by the rules been supplied usually 230 lbs.

The foregoing is a correct description,

Manufacturer.

Dates of Survey { During progress of work in shops - - } Is the approved plan of boiler forwarded herewith -  
 while { During erection on board vessel - - } Total No. of visits -

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

### GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The boilers and mountings have been examined internally & externally and found in good order.

Survey Fee see report attached When applied for, 19 -  
 Travelling Expenses (if any) £ - When received, 19 -

Committee's Minute

Assigned

see minute on Rpt. 9

L. Tait Williams

Engineer Surveyor to Lloyd's Register of Shipping.

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