

REPORT ON WATER TUBE BOILERS.

No. 105986

Received at London Office 16 MAR 1949

Date of writing Report 8.3 1949 When handed in at Local Office 8.3 1949 Port of NEWCASTLE-ON-TYNE

No. in Survey held at NEWCASTLE-ON-TYNE. Date, First Survey 3.5.48. Last Survey 4.3 1949

Reg. Bk. 5156 on the S/s "SHILLONG" (Number of Visits 48) Tons Gross 8933.68 Net 4816.33

Wt. at NEWCASTLE. By whom built VICKERS-ARMSTRONG LTD. 104. When built 1948.

Engines made at BARROW. By whom made VICKERS-ARMSTRONG LTD. 955. When made 1948.

Boilers made at BARROW. By whom made VICKERS-ARMSTRONG LTD. 955. When made 1948.

Nominal Horse Power 2880. Owners. PENINSULAR & ORIENTAL STEAM NAV. CO. Port belonging to LONDON.

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel SEE BARROW REPORT N° 3194.

Date of Approval of plan Number and Description or Type

of Boilers TWO. FOSTER WHEELER. Working Pressure 585 lbs/p. Tested by Hydraulic Pressure to Date of Test

No. of Certificate Can each boiler be worked separately YES Total Heating Surface of Boilers

Is forced draught fitted Area of fire grate (coal) in each Boiler

No. and type of burners (oil) in each boiler 8. TODD OIL BURNERS. No. and description of safety valves on

each boiler Area of each set of valves per boiler per rule as fitted Pressure to which they

are adjusted 585 lbs/p. Are they fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter

the donkey boiler NO. Smallest distance between boilers or uptakes and bunkers or woodwork 3'-0" Height of boiler

Width and Length Steam 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. 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 Material Thickness Tested by Hydraulic Pressure to

Tubes:—Diameter Thickness Number 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

SUPERHEATER. Drums or Headers:—Number in each boiler Inside Diameter

Thickness 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 Area of each set

of valves Pressure to which they are adjusted 525 lbs/p. Is easing gear fitted YES.

Spare Gear. Has the spare gear required by the rules been supplied YES.

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 building During erection on board vessel - - - PLEASE SEE REPORT WA Total No. of visits 48

Is this boiler a duplicate of a previous case YES. If so, state vessel's name and report No. S.S. SURAT NEWCASTLE REPORT N° 105674

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) BARROW REPORT N° 3194.

The water tube boilers have been efficiently installed on board, the safety valves adjusted

under steam to the approved pressure

Boilers examined under full power conditions & found satisfactory

Survey Fee ... £ : : When applied for, 19

Travelling Expenses (if any) £ : : When received, 19

For A.E. MUNCO & SELLER
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned See F.E. weekly rpt.