

REPORT ON WATER TUBE BOILERS.

No. 115567

Received at London Office

Report 24 SEP 1941 19 When handed in at Local Office 24 SEP 1941 19 Port of LONDON
 Survey held at LONDON Date, First Survey 4-9-47 Last Survey 17-9-1947
 on the S.S. "BENVRACKI" (EX "SAMAFFRIC") (Number of Visits 7) Gross 7210 Tons
 at BALTIMORE, U.S.A. By whom built BETHLEHEM FAIRFIELD SHIPYARD INC. Yard No. When built MARCH 1944
 at HAMILTON, OHIO, U.S.A. By whom made GENERAL MACHINERY CORP. Engine No. 7840 When made 1944
 at NEW YORK U.S.A. By whom made COMBUSTION ENGINEERING CORP. Boiler No. TWO When made 1944
 Power Owners BEN LINE STEAMERS LTD. Port belonging to

TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel BETHLEHEM STEEL CO.

Approval of plan. No. and Description or Type

TWO. BABCOCK WATER TUBE DESIGN Working Pressure 250 psi Tested by Hydraulic Pressure to 375 psi Date of Test 2.2.44

Can each boiler be worked separately YES Total Heating Surface of Boilers 10233

Area of Fire Grate (coal) in each Boiler TODD "HEX-PRESS"

No. and description of safety valves on

TWO — ANSON Area of each set of valves per boiler per rule as fitted 4" dia and 1 1/2" dia (4" dia)

Are they fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter

Smallest distance between boilers or uptakes and bunkers or woodwork 2 ft Height of boiler 18' 3"

length 14' 8" 17' 8 1/2" Steam Drums:—Number in each boiler ONE Inside diameter 47 3/8"

Range of tensile strength Are drum shell plates welded

If fusion welded, state name of welding firm Have all the requirements of the Rules

Description of riveting:—Circ. seams long. seams

Pitch of rivets Thickness of straps Percentage strength of

Plate Rivet Diameter of tube holes in drum Pitch of tube holes

Strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength

Radius or how stayed Size of manhole or handhole Water Drums:—Number

Inside diameter Thickness of plates Range of tensile strength Are drum shell plates

If fusion welded, state name of welding firm Have all the requirements of the Rules

Description of riveting:—Circ. seams long. seams

Pitch of rivets Thickness of straps

Strength of long. joint:—Plate Rivet Diameter of tube holes in drum Pitch of tube holes

Strength of drum shell in way of tubes Water Drum Heads or Ends:—Range of tensile strength

Radius or how stayed Size of manhole or handhole

Sections:—Number 44 Material Thickness Tested by hydraulic pressure to

meter 2" and 4" O.D. Thickness 1/34" and 203" Number 62 1/2" and 88 4" (22 spc) Steam Dome or Collector:—Description of

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

Thickness of straps Percentage strength of long. joint plate rivet

Water Drums or Headers:—Number in each boiler TWO Inside diameter 7 1/4" x 7 1/4" x 5/8"

Material M11 GRADE "B" Range of tensile strength Are drum shell plates welded

If fusion welded, state name of welding firm Have all the requirements of the Rules

Description of riveting:—Circ. seams long. seams

Pitch of rivets Thickness of straps Percentage strength of

Plate Rivet Diameter of tube holes in drum 2 1/32" dia Pitch of tube holes 3 3/4" Percentage strength of

Drum Heads or Ends:—Thickness Range of tensile strength

Size of manhole or handhole Number, diameter, and thickness of tubes

Is a safety valve fitted to each section of the superheater which

No. and description of safety valves Area of each set

Pressure to which they are adjusted Is easing gear fitted

Has the spare gear required by the Rules been supplied Yes, with exception of one valve lid for main feed check

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith.

Total No. of visits

If so, state vessel's name and report No.

REMARKS (State quality of workmanship, opinions as to class, &c. Owner representative states that spare

efficiency will be made good at first opportunity.

Fee ... £ When applied for 19

ing Expenses (if any) £ When received 19

Engineer Surveyor to Lloyd's Register of Shipping.

2021

Lloyd's Register

Foundation

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