

REPORT ON WATER TUBE BOILERS.

No. 105632
29 OCT 1948

Received at London Office

of writing Report

19

When handed in at Local Office

32 OCT 1948

Port of NEWCASTLE-ON-TYNE

Survey held at WALLSEND

Date, First Survey

31/8/48

Last Survey

23/9/48

19

702 on the TURBO ELEC S.S. BEECHER ISLAND.

(Number of Visits 18)

Gross 10,668

Net 6317

at MOBILE

By whom built ALABAMA D.D. SHIPBUILDING INC

Yard No. 2043

When built 1944

Lines made LYNN MASS.

By whom made GENERAL ELECTRIC CO

Engine No. 642

When made 1944

Boilers made at NEW YORK.

By whom made COMBUSTION ENGINEERING CO INC.

Boiler No. 7863

When made 1944

AS PER RULE 1,485

Owners. BRITISH TANKER CO LTD

Port belonging to LONDON

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

No. and Description or Type
Boilers Two S.M. TYPE. Working Pressure 500 lbs. Tested by Hydraulic Pressure to 750 lbs. Date of Test

of Certificate Can each boiler be worked separately YES Total Heating Surface of Boilers 11,354 sq ft (Super 1486, 9868)

forced draught fitted YES Area of Fire Grate (coal) in each Boiler 4 TODD. HEX PRESS.

and type of burners (oil) in each boiler 2-2 1/2 DOPLEX. CONSOLIDATED TYPE. No. and description of safety valves on

boiler 2-2 1/2 DOPLEX. CONSOLIDATED TYPE. Area of each set of valves per boiler 4.9 sq in. Pressure to which they

adjusted 500 lbs. Are they fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter

donkey boiler. Smallest distance between boilers or uptakes and bunkers or woodwork 5 ft Height of boiler 21 ft 0 in

th and length 11 ft 10 in x 15 ft 6 in Steam Drums:—Number in each boiler ONE Inside diameter 42 in

thickness of plates 1 1/2 in Range of tensile strength 65,000 - 70,000 Are drum shell plates welded

changed WELDED. 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.

meter of rivet holes in long. seams. Pitch of rivets. Thickness of straps. Percentage strength of

joint:—Plate Rivet. Diameter of tube holes in drum 4 1/2 in Pitch of tube holes 4 in

percentage strength of shell in way of tubes 42 Steam Drum Heads or Ends:—Range of tensile strength.

thickness of plates 1 1/4 in Radius or how stayed ELLIPSOIDAL Size of manhole or handhole 12 in x 16 in Water Drums:—Number

each boiler. Inside diameter. Thickness of plates. Range of tensile strength. Are drum shell plates

led 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.

meter of rivet holes in long. seams. Pitch of rivets. Thickness of straps. Percentage strength of

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. Tested by hydraulic pressure to 750 lbs.

headers or Sections:—Number 14 Material STEEL Thickness 9/16 in Number 1148, 56, 48 MUD DRUM.

headers:—Diameter 1 1/4 in 2 in 3/4 in Thickness 13, 10, 15 B.W.G. Number 1148, 56, 48 Steam Dome or Collector:—Description of

to shell NIPPED. Inside diameter 7 1/4 in x 7 1/4 in Thickness of shell plates 1 3/16 in Range of tensile

strength. 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.

h of rivets. Thickness of straps. Percentage strength of long. joint. plate rivet.

own or End Plates:—Range of tensile strength. Thickness. Radius or how stayed.

PERHEATER, Drums or Headers:—Number in each boiler TWO INTERDECK. Inside diameter 5 3/4 in square x 5/8 thick.

thickness 5/8 Material STEEL Range of tensile strength 65,000 - 70,000 Are shell plates welded

changed WELDED. 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.

meter of rivet holes in long. seams. Pitch of rivets. Thickness of straps. Percentage strength of

joint:—Plate Rivet. Diameter of tube holes in drum. Pitch of tube holes. 2 in Percentage strength of

shell in way of tubes. Drum Heads or Ends:—Thickness. Range of tensile strength.

us or how stayed. Size of manhole or handhole. Number, diameter, and thickness of tubes 145, 1 1/4 in 11 B.W.G.

ed by hydraulic pressure to. Date of test. Is a safety valve fitted to each section of the superheater which

be shut off from the boiler No. No. and description of safety valves TWO 1 1/2 in CONSOLIDATED TYPE. Area of each set

valves 1.77 Pressure to which they are adjusted 4.73 Is easing gear fitted YES.

re Gear. Has the spare gear required by the Rules been supplied YES.

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - -
During erection on board vessel - -

SEE REPORT LA

Is the approved plan of boiler forwarded herewith

Total No. of visits 18.

is boiler a duplicate of a previous case YES If so, state vessel's name and report No. T.R. TYPE TANKERS

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. These W.T. Boilers have been constructed under the supervision of the U.S. Coast Guard and the American Bureau of Shipping. The scantlings have been verified as far as practicable. The workmanship is good and the material considered sound.

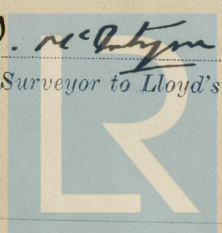
Survey Fee ... £ : : When applied for 19
Travelling Expenses (if any) £ : : When received 19

Date

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minute

J.D. McHenry © 2020
Engineer Surveyor to Lloyd's Register of Shipping.



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