

REPORT ON WATER TUBE BOILERS.

21 NOV 1958

Received at London Office

of writing Report 12-11-1958 When handed in at Local Office 19 Port of Copenhagen

in Survey held at Elsinore Date, First Survey 17-9-58 Last Survey 6-11 1958

Book. 96 on the m.v. "TENNA DAN" ex "HOEGH TRADER" (Number of Visits 6) Gross 5114.76 Tons Net 2839.55

at Beaumont - Texas By whom built Pennsylvania SHPYDS. Inc. Yard No. 295 When built 1944

nes made at Milwaukee - Wis. By whom made Nordberg Mfg. Co. Engine No. 21667-68 When made 1944

rs made at Danville N.Y. By whom made Foster Wheeler Corp. Boiler No. FWB.1954 When made 1944

or Register Book 761 Sq. ft. Owners J. Lauritzen Port belonging to Esbjerg

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

No. and Description or Type of Approval of plan (designed 200 lbs.)

Boilers One Cross Drum—Straight Tube Working Pressure 50 lbs. Tested by Hydraulic Pressure to 300 lb. Date of Test 2-28-44

of Certificate American Bureau Can each boiler be worked separately yes Total Heating Surface of Boilers 761 Sq. ft. Superheaters no

f Economisers no Is forced draught fitted yes Area of Fire Grate (coal) in each Boiler Oil Fired

and type of burners (oil) in each boiler One - R - 1000 Rotary Cup. - W.N. Best Eng. Corp. No. and description of safety valves on

boiler 2 off - 2 1/2" Crosby. spring loaded Area of each set of valves per boiler { per rule 4.93 Sq. inch as fitted 9.8 Sq. inch Pressure to which they

adjusted 50 lbs. Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter

donkey boiler no main boiler Smallest distance between boilers or uptakes and bunkers or woodwork no woodwork Height of boiler 13'-9 1/2"

Material of thickness and length 4'-7 1/16" & 10'-8" Steam Drums:—Number in each boiler one Inside diameter 36"

ickness of plates 11/16" (21/32" & 17/32") Range of tensile strength 65000 lbs. min. Are drum shell plates welded

and purpose of flanged welded If fusion welded, state name of welding firm WYATT Mfg. - Boiler Co. Have all the requirements of the Rules

ow long at full Class I vessels been complied with U.S.C.G. Description of riveting:—Circ. seams long. seams

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

g. joint:—Plate Rivet Diameter of tube holes in drum 4 1/32" Pitch of tube holes 7"

centage strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength 65000 lbs. min.

ickness of plates 11/16" Radius or how stayed ELLISODIAL Size of manhole or handhole 12" x 16" Water Drums:—Number

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

ded 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

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

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

ickness of plates Radius or how stayed Size of manhole or handhole Tested by hydraulic pressure to 400 lbs.

aders or Sections:—Number 5-5 Material Steel Thickness 5/8" Wall-6 7/8" SQ. 5/8" Wall x 7 1/4" SQ. 5/8" Number 240 - 5 Steam Dome or Collector:—Description of

oes:—Diameter 1 1/4" OD & 1" OD Thickness 12 gauge & 9 gauge Number 240 - 5 Steam Dome or Collector:—Description of

t to shell Inside diameter Thickness of shell plates Range of tensile

ngth 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 Inside diameter

ickness Material Range of tensile strength Are drum shell plates welded

anged 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

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

n 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

ted 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. and description of safety valves Area of each set

alves Pressure to which they are adjusted Is easing gear fitted

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 - - - Is the approved plan of boiler forwarded herewith

During erection on board vessel - - - Total No. of visits

is 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. This Water tube boiler designed by and

tly constructed by Foster Wheeler Corp. was constructed under Special Survey of American Bureau

Shipping was examined throughout and under working condition and found satisfactory. Safety valves

usted to 50 lbs. sq. inch. - Accumulation test carried out with satisfactory result.

Survey Fee ... kr.: 260, - When applied for 19 NOV. 1958

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

ENTERED IN COPENHAGEN ROUGH FEE BOOK ON THE 19 NOV. 1958

Date FRIDAY - 2 JAN 1959

nittee's minute See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping

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