

## REPORT ON WATER TUBE BOILERS.

No. 17277

Received at London Office

27 NOV 1958

of writing Report 12-11 19 58 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 19 58  
 Book. 96 on the m.v. "TENNA DAN" - ex "HOEGH TRADER" (Number of Visits 5) Gross 5114.76  
 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. W.E.B. 324 When made 1944  
 or Register Book 1440 Sq. Ft. Owners J. Lauritzen Port belonging to Esbjerg

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

of Approval of plan (Designed 200 lbs.) No. and Description or Type  
 One Cross Drum-Straight Tube Working Pressure 50 lbs. Tested by Hydraulic Pressure to 300 Date of Test 2-26-44  
 of Certificate Can each boiler be worked separately yes Total Heating Surface of Boilers 1440 Sq. Ft. Superheaters no  
 Economisers no Is forced draught fitted Waste Heat Area of Fire Grate (coal) in each Boiler Waste Heat  
 and type of burners (oil) in each boiler Non fitted No. and description of safety valves on  
 boiler Two - 1 1/2" Dia. Crosby Spring Load ed Area of each set of valves per boiler { per rule. 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 boilers Smallest distance between boilers or uptakes and bunkers or woodwork no woodwork Height of boiler 13'-9 1/2"  
 th and length 4'-7 1/2" & 10'-8" Steam Drums: Number in each boiler one Inside diameter 36"  
 ckness of plates 11" 16" 21" 17" Range of tensile strength 65000 lbs. min. Are drum shell plates welded  
 langed welded If fusion welded, state name of welding firm WYATT, Mfg. & Boilers Co. Have all the requirements of the Rules  
 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  
 joint: - Plate Rivet Diameter of tube holes in drum 3 1/2" Pitch of tube holes 4 7/8"  
 centage strength of shell in way of tubes Steam Drum Heads or Ends: Range of tensile strength 65000 lbs. min.  
 ckness of plates 11" Radius or how stayed Ellipsoid Size of manhole or handhole 12" x 16" Water Drums: Number  
 ach 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  
 centage strength of drum shell in way of tubes Water Drum Heads or Ends: Range of tensile strength  
 ckness of plates Radius or how stayed Size of manhole or handhole  
 aders or Sections: Number one Material Steel Thickness 7" x 5" Tested by hydraulic pressure to 400 lbs.  
 es: Diameter 2" OD Thickness 9 gauge Number 64 Grilled 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  
 ch 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  
 ckness Material Range of tensile strength Are drum shell plates welded  
 langed 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  
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 m 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.

ates During progress of work in shops - Is the approved plan of boiler forwarded herewith  
 urvey While 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 and  
 artly constructed by Foster Wheeler Corp. was constructed under Special Survey of American Bureau  
 Shipping was examined throughout and under working condition and found satisfactory.  
 afety valves adjusted to 50 lbs. sq. inch. - Accumulation test carried out with satisfactory result.

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

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

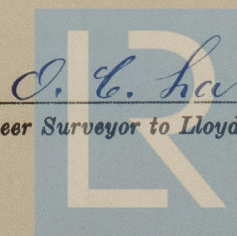
ENTERED IN COPENHAGEN ROUGH FEE BOOK ON THE 19 NOV. 1958

Date FRIDAY - 2 JAN 1959

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See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping.



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 Foundation

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