

REPORT ON WATER TUBE BOILERS.

No. 26536

Received at London Office 27 MAR 1951

Writing Report *1 March 1951* When handed in at Local Office *24.3.1951* Port of *ANTWERP*
 in Survey held at *ANTWERP* Date, First Survey *26-10-50* Last Survey *14-12-1950*
 Book. (Number of Visits *7*) Gross *442.4*
 on the *m/s "HAMINA ex. "ROYAL HAROLD"* Tons *287.4*
 at *Hoboken* By whom built *J. C. Cokerill* Yard No. *682* When built *1940*
 es made at *Deraing* By whom made *do do* Engine No. *6202* When made *1940*
 rs made at *Rostock* By whom made *Neptunwerft* Boiler No. When made *1941*
 al Horse Power. Owners *Belgian Navy* Port belonging to

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

of Approval of plan *Plan forwarded herewith* No. and Description or Type *24. 25. 11. 50*
 ilers *Two Neptunwerft Rostock boilers* Working Pressure *12 atm* Tested by Hydraulic Pressure to *18 kg/cm²* Date of Test *26. 2. 51*
 f Certificate *Yes* Can each boiler be worked separately *Yes* Total Heating Surface of Boilers *174 m² = 2264.8*
 reed draught fitted *Yes* Area of Fire Grate (coal) in each Boiler *one Paacke-Brenner* No. and description of safety valves on
 nd type of burners (oil) in each boiler *one Paacke-Brenner* boiler *two lift lift* Area of each set of valves per boiler *per rule as fitted 25/2 mm* Pressure to which they
 adjusted *12 atm/cm* Are they fitted with easing gear *Yes* In case of donkey boilers state whether steam from main boilers can enter
 donkey boiler *Yes* Smallest distance between boilers or uptakes and bunkers or woodwork *none* Height of boiler *2.7 m*
 th and length *2.625 m - 2.524 m* Steam Drums:—Number in each boiler *one* Inside diameter *772*
 kness of plates *14* Range of tensile strength *—* Are drum shell plates welded
 mged *welded* If fusion welded, state name of welding firm *—* Have all the requirements of the Rules
 lass I vessels been complied with *—* Description of riveting:—Circ. seams *—* long. seams *—*
 eter of rivet holes in long. seams *—* Pitch of rivets *—* Thickness of straps *—* Percentage strength of
 joint:—Plate *—* Rivet *—* Diameter of tube holes in drum *44.5 - 52* Pitch of tube holes *71 - 64*
 entage strength of shell in way of tubes *—* Steam Drum Heads or Ends:—Range of tensile strength *—*
 kness of plates *14* Radius or how stayed *560* Size of manhole or handhole *300 / 400* Water Drums:—Number
 ch boiler *two* Inside diameter *460 - 560* Thickness of plates *15 / 20* Range of tensile strength *—* Are drum shell plates
 ed or flanged *welded* If fusion welded, state name of welding firm *—* Have all the requirements of the Rules
 lass I vessels been complied with *—* Description of riveting:—Circ. seams *—* long. seams *—*
 eter of rivet holes in long. seams *—* Pitch of rivets *—* Thickness of straps *—* Percentage strength of
 entage strength of long. joint:—Plate *—* Rivet *—* Diameter of tube holes in drum *44.5 - 52* Pitch of tube holes *71 - 64*
 entage strength of drum shell in way of tubes *—* Water Drum Heads or Ends:—Range of tensile strength *—*
 kness of plates *14* Radius or how stayed *400* Size of manhole or handhole *300 x 400 - 460*
 ders or Sections:—Number *—* Material *—* Thickness *—* Tested by hydraulic pressure to *—*
 es:—Diameter *44.5 - 52* Thickness *2.5 - 2.5* Number *128 - 197* Steam Dome or Collector:—Description of
 t to shell *—* Inside diameter *—* Thickness of shell plates *—* Range of tensile
 agth *—* 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 *—*
 wn or End Plates:—Range of tensile strength *—* Thickness *—* Radius or how stayed *—*
 Inside diameter *—*
 PERHEATER, Drums or Headers:—Number in each boiler *—* Are drum shell plates welded
 kness *—* Material *—* Range of tensile strength *—* Have all the requirements of the Rules
 mged *—* If fusion welded, state name of welding firm *—* long. seams *—*
 lass I vessels been complied with *—* Description of riveting:—Circ. seams *—* Percentage strength of
 eter 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 *—*
 m shell in way of tubes *—* Drum Heads or Ends:—Thickness *—* Range of tensile strength *—*
 ius or how stayed *—* Size of manhole or handhole *—* Number, diameter, and thickness of tubes *—*
 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. and description of safety valves *—* Area of each set
 ulves *—* 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
 survey } work in shops - -
 hile } During erection on
 ding } board vessel - -

Is the approved plan of boiler forwarded herewith

Total No. of visits

his boiler a duplicate of a previous case *No*

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

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.) *The boilers have been examined thoroughly and found to be in good condition, their scantlings have been checked and found to correspond with the figures noted above and those shown on the attached plan. Safety valves have been adjusted and an accumulation test carried out with satisfactory results.*

Survey Fee ... *£4200.-*
 Travelling Expenses (if any) *£—*

When applied for *24.3.1951*
 When received *19*

Date

Committee's Minute

See F.E. mch. rpt.

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

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