

REPORT ON WATER TUBE BOILERS.

No. 126100

Received at London Office 22 OCT 1944

of writing Report 11.10.1944 When handed in at Local Office 19 Port of Liverpool

No. in Survey held at Bitterhead Date, First Survey Last Survey 19

Bk. 92 on the T.E.B. "THEWIDOMUS" (Number of Visits) Tons Gross 10448 Net 6301

ilt at Portland, Oregon By whom built Kaiser B. Inc. When built 1944

ines made at Lynn, Mass. By whom made General Electric Co. When made 1944

ilers made at By whom made Combustion Engineering Co. Inc. When made 1944

iminal Horse Power Owners Anglo Saxon Petroleum Co. Port belonging to London

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Both Steel Co. & S. W. Steel Co.

te of Approval of plan Boilers Hrs. P. 9449. B. 9444. Number and Description or Type

Boilers 2 Babcock Wilcox Type Working Pressure 500 lbs Tested by Hydraulic Pressure to 450 lbs Date of Test 25.5.44

of Certificate NONE Can each boiler be worked separately yes Total Heating Surface of Boilers 4934

forced draught fitted yes Area of fire grate (coal) in each Boiler 4. TOP No. and description of safety valves on

boiler 1- 2 1/2" J. High lift (Double) Area of each set of valves per boiler { per rule as fitted 9.8 sq. ins 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 NONE Smallest distance between boilers or uptakes and bunkers or woodwork well clear Height of boiler 21'0"

th and Length 11'10" x 14'6" Steam Drums:—Number in each boiler one Inside diameter 3'5 1/2"

ickness of plates SHELL 3/4" TUBE PLATE 1 1/2" Range of Tensile Strength Are drum shell plates welded

flanged welded If fusion welded, state name of welding firm Not Known Have all the requirements of the rules

Class I vessels been complied with Description of riveting:—Cir. 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" Pitch of tube holes 4"

percentage strength of shell in way of tubes 42.85 Steam Drum Heads or Ends:—Range of tensile strength

ickness of plates 1 1/4" Radius or how stayed Size of manhole or handhole 16" x 12" Water WALL HEADERS

each boiler 5 Inside Diameter 5 1/2" square Thickness of plates 0.75 Range of tensile strength Are drum shell plates

ded or flanged Solid drawn If fusion welded, state name of welding firm Have all the requirements of the rules

Class I vessels been complied with Description of riveting:—Cir. seams long. seam

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

percentage strength of long. joint:—Plate Rivet Diameter of tube holes HEADER 4" Pitch of tube holes 6 1/2"

percentage strength of drum shell in way of tubes WALL HEADER Ends:—Range of Tensile strength

ickness of plates 1 1/2" Radius or how stayed Flat Size of manhole or handhole

aders or Sections:—Number 14 UPTAKE 14 DOWNTAKE Material Steel Thickness 9/16 Tested by Hydraulic Pressure to 450 lbs

es:—Diameter 14" 2" x 4" Thickness 13 B.W.G. 10 B.W.G. 5 or 6 B.W.G. Number 1148, 58 & 60 M.V.D. DRUM

int to HEADERS 14" 2" x 4" Inside diameter 5 1/2" square Thickness of shell plates 0.45 Steam Dome or Collector:—Description of

length Have all the requirements of the rules for Class I vessels been complied with Diameter of rivet holes

m. Have all the requirements of the rules for Class I vessels been complied with Diameter of rivet holes

th of rivets Thickness of straps Percentage strength of long. Joint Plate Rivet

DRUM End Plates:—Range of tensile strength Thickness 1 1/2" Radius or how stayed Flat

UPERHEATER. Drums or Headers:—Number in each boiler 2 Inside Diameter 5 1/2" square

ickness 0.45 Material Steel Range of tensile strength Are drum shell plates welded

flanged Solid drawn If fusion welded, state name of welding firm Have all the requirements of the rules

Class I vessels been complied with Description of riveting:—Cir. seams long. seams

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

ng. joint:—Plate Rivet Diameter of tube holes in drum 1 1/4" Pitch of tube holes Percentage strength of

um shell in way of tubes Drum Heads or Ends:—Flat Thickness 1 1/2" Range of tensile strength

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

ested by Hydraulic Pressure to 450 lbs Date of Test Not Known Is a safety valve fitted to each section of the superheater which

n be shut off from the boiler yes No. and description of Safety Valves 1. 1 1/2" High lift (single) Area of each set

valves 1.22 sq. ins. Pressure to which they are adjusted 464 lbs Is easing gear fitted yes

pare Gear. Has the spare gear required by the rules been supplied

The foregoing is a correct description,

Manufacturer.

Dates } During progress of work in shops - - - Is the approved plan of boiler forwarded herewith

Survey while building } During erection on board vessel - - - Total No. of visits

this boiler a duplicate of a previous case. If so, state vessel's name and report No.

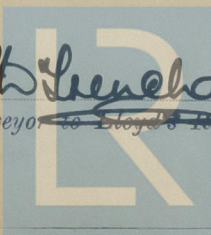
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This report is submitted for the information of the Committee.

Survey Fee ... £ : : When applied for, 19

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

Committee's Minute assigned

Engineer Surveyor to Lloyd's Register of Shipping.



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