

RECEIVED REPORT ON WATER TUBE BOILERS.

No. 24348.

5 MAR 1951

Received at London Office

8 MAR 1951

Writing Report 23RD FEB 1951. When handed in at Local Office 1ST MARCH 1951.

Port of GREENOCK

Survey held at GREENOCK Date, First Survey 17TH OCT 1950. Last Survey 5TH FEBRUARY 1951.

on the T.S.S. "GENOTA" (Number of Visits 14.) Tons Gross Net

at SOUTHBRANK By whom built MESSRS SMITHS DOCK CO LTD. Yard No. 1214 When built 1951

made at GLASGOW By whom made BABCOCK & WILCOX LTD. CON. N° 4983 Engine No. " When made 1951

made at GREENOCK By whom made JOHN G. KINCAID & CO LTD. CON. N° 375 Boiler No. " When made 1951

Horse Power 887 BHP ONLY Owners N.V. CURACAO SCHEEPVAART MAATSCHAPPIJ, EMMASTAD, CURACAO Port belonging to WILLEMSTAD.

TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Babcock & Wilcox supply

Approval of plan Steam & Water drums 9/12/47. Pressure parts details of Header & drums 27/5/47 No. and Description or Type

ers 2 nos Babcock & Wilcox Working Pressure 220 Tested by Hydraulic Pressure to 380 Date of Test 22-8-51

Certificate 7352 Can each boiler be worked separately Yes Total Heating Surface of Boilers 10640

draught fitted Yes Area of Fire Grate (coal) in each Boiler

type of burners (oil) in each boiler S. SWINNEY BROS. (MORPETH) SMITHS O.F. BURNING SYSTEM No. and description of safety valves on

boiler 1-3 1/2" DOUBLE HIGH LIFT Area of each set of valves per boiler per rule as fitted 19.24 sq. ins. Pressure to which they

tested 220 lbs/sq. in. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter

key boiler NONE Smallest distance between boilers or uptakes and bunkers or woodwork 2'-3" Height of boiler 17'-0"

and length 20'-0" & 16'-4" Steam Drums:—Number in each boiler One Inside diameter 3'-6" ✓

ss of plates Drums 9/16" tube plate 1/16" Range of tensile strength 29/32 tons Are drum shell plates welded

ed No ✓ If fusion welded, state name of welding firm Have all the requirements of the Rules

s I vessels been complied with Description of riveting:—Circ. seams DR long. seams DR DBS

r of rivet holes in long. seams 29/32" ✓ Pitch of rivets 3.491" ✓ Thickness of straps 9/16" ✓ Percentage strength of

int:—Plate 7/16" ✓ Rivet 9/16" ✓ Diameter of tube holes in drum 4.056" ✓ Pitch of tube holes 7" ✓

ge strength of shell in way of tubes 42.057" ✓ Steam Drum Heads or Ends:—Range of tensile strength 26/32 tons ✓

ss of plates 7/8" ✓ Radius or how stayed 3'-0" ✓ Size of manhole or handhole 16x12" ✓ Water Drums:—Number

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

or flanged If fusion welded, state name of welding firm Have all the requirements of the Rules

s I vessels been complied with Description of riveting:—Circ. seams long. seams

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

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

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

s of plates Radius or how stayed Size of manhole or handhole

or Sections:—Number 29/16" ✓ Material scumless steel Thickness 11/32" ✓ Tested by hydraulic pressure to 380 lbs/sq. in. ✓

Diameter 1 1/16" ✓ Thickness 9/16" ✓ Number 114 9910/16" ✓ Steam Dome or Collector:—Description of

hell Inside diameter Thickness of shell plates Range of tensile

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

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

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

HEATER, Drums or Headers:—Number in each boiler None Inside diameter

Material Range of tensile strength Are drum shell plates welded

If fusion welded, state name of welding firm Have all the requirements of the Rules

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

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

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

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

how stayed Size of manhole or handhole Number, diameter, and thickness of tubes

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

t off from the boiler No. and description of safety valves Area of each set

Pressure to which they are adjusted Is easing gear fitted

ear. Has the spare gear required by the Rules been supplied

For JOHN G. KINCAID & COY., LIMITED.

The foregoing is a correct description,

A. R. Humphord

Manufacturer.

Chief Draughtsman.

During progress of work in shops (1950) Oct. 17, 26, 31. Nov. 10, 17, 23. Dec. 1, 6, 11, 12. (1951) Jan. 11, 18, 31. Feb. 5 Is the approved plan of boiler forwarded herewith

During erection on board vessel - - - Total No. of visits 14.

or a duplicate of a previous case Yes If so, state vessel's name and report No. GREENOCK FE N° 24044

AL REMARKS (State quality of workmanship, opinions as to class, &c. These boilers have been constructed under special in accordance with the Rules & approved plans. The materials & workmanship are sound & good.

When completed & tested will be eligible to be fitted into a vessel classed in the Society's Register of Boats. The boilers have now been dispatched to South Dock Co. Middlesbrough to be installed in their E.W. N° 1214

GREENOCK 56 17 ✓ When applied for 1ST MARCH 1951.

GLASGOW £ 28 : 8 : 6 ✓

MIDDLESBROUGH 28 8 6 ✓ When received 19.

GLASGOW 7-MAR 1951

FRI. 1 FEB 1952

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

011834-011843-0081 1/2

The two steam drums (see Glasgow Cert C83266) have been drilled for mounting pads & the pads bedded & riveted. The drums were then tested by hydraulic pressure 380 lbs/sq. in & found tight & sound, the tube holes were then drilled.

The Headers (see Glasgow cert C83267) have been assembled, tubes fitted and expanded, each header on completion was by hydraulic pressure.

The above together with the furnace framings, casings, air heaters, return tubes, header ripple tubes & downcomer tubes have been despatched to Smiths Dock Co Middlesbrough.

Babcock & Wilcox supply all mountings.

Glasgow certificates & copies C83266 & C83267 attached hereto.

Chas. H. Hunter
Greenock

The section of these boilers has been completed on board at Smiths Dock after which they were hydraulically tested to 380 lbs per sq. in. and found satisfactory.

These boilers have been securely fitted and examined under working conditions and found satisfactory.

On completion the safety valves were adjusted to 220 lbs per sq. in.



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