

t. 5a.

REPORT ON BOILERS.

Sl. No. 34519
Hwe No. 101253

Received at London Office

24 MAY 1943

NEWCASTLE-ON-TYNE

20 MAY 1943

of writing Report 20 MAY 1943

When handed in at Local Office

Port of

openi

Survey held at

Wallsend

Date, First Survey 8-12-1941

Last Survey 31-3-

1943

(Number of Visits 16)

Gross 5125

Tons Net 2850

on the

Sunderland

By whom built

Shipbuilding Corp. (Local Branch)

Yard No. 9

When built 1946

diamet

nes made at

Wallsend

By whom made

G. Black (1938) Ltd

Engine No. 1373

When made 1946

ers made at

Wallsend

By whom made

Wallsend Shipyard Ltd

Boiler No. 4016

When made 1943

es and

inal Horse Power

Owners

British & S. American I. N. Co.

Port belonging to

London

LTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

e shut of

Manufacturers of Steel

Colvilles Ltd

(Letter for Record S)

Heating Surface of Boilers

2416

#1

Is forced draught fitted

yes

Coal or Oil fired coal

and Description of Boilers

1 S.B.

Working Pressure 220

test pres

ed by hydraulic pressure to

380

Date of test 30.3.43

No. of Certificate 1040

Can each boiler be worked separately

drain co

of Firegrate in each Boiler

55

No. and Description of safety valves to each boiler

Double improved high lift

of each set of valves per boiler

per Rule 6.42

Pressure to which they are adjusted

220

Are they fitted with easing gear

yes

se of donkey boilers, state whether steam from main boilers can enter the donkey boiler

on,

lest distance between boilers or uptakes and bunkers or woodwork

Is oil fuel carried in the double bottom under boilers

no

Manufac

lest distance between shell of boiler and tank top plating

Is the bottom of the boiler insulated

yes

DIRECTOR

lest internal dia. of boilers

15'-0 1/2"

Length

11'-6"

Shell plates: Material

S

Tensile strength 29-33

ness

1 15/32

Are the shell plates welded or flanged

no

Description of riveting: circ. seams

end

seams

TR. DRS

Diameter of rivet holes in

circ. seams

1 1/2"

Pitch of rivets

4.07

inter.

seams

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Pitch of rivets

10 3/8"

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Diameter of rivet

Are the stays drilled at the outer ends no Margin stays: Diameter ^{At turned off part.} 1 1/8" x 2"
 No. of threads per inch 9
 Tubes: Material SD. Steel External diameter ^{Plain} 3" Thickness ^{Stay} 3/16" No. of threads per inch 9
 Pitch of tubes 4 1/4" x 4 1/8" Manhole compensation: Size of opening in
 shell plate none Section of compensating ring No. of rivets and diameter of rivet holes
 Outer row rivet pitch at ends Depth of flange if manhole flanged Steam Dome: Material
 Tensile strength Thickness of shell Description of longitudinal joint
 Diameter of rivet holes Pitch of rivets Percentage of strength of joint ^{Plate}
 Internal diameter Thickness of crown No. and diameter of
 stays Inner radius of crown
 How connected to shell Size of doubling plate under dome Diameter of rivet holes and pitch
 of rivets in outer row in dome connection to shell

Type of Superheater

Manufacturers of

Tubes
 Steel forgings
 Steel castings

Number of elements Material of tubes Internal diameter and thickness of tubes
 Material of headers Tensile strength Thickness Can the superheater be shut off and
 the boiler be worked separately Is a safety valve fitted to every part of the superheater which can be shut off from the boiler
 Area of each safety valve Are the safety valves fitted with easing gear
 Pressure to which the safety valves are adjusted Hydraulic test pressure:
 tubes forgings and castings and after assembly in place Are drain cocks or
 valves fitted to free the superheater from water where necessary

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with yes

The foregoing is a correct description,
 FOR THE WALLSEND SLIPWAY & ENGINEERING CO. LIMITED
 J. A. THORPON, Manufacturer.
 DIRECTOR

Dates of Survey ¹⁹⁴⁴ During progress of work in shops - - DEC. 8. JAN. 14/16. FEB. 19. 23. 24. 26. JULY. 14. Are the approved plans of boiler and superheater forwarded herewith
 while building ¹⁹⁴³ During erection on board vessel - - - SEPT. 25. OCT. 14. 28. NOV. 23. DEC. 29. FEB. 18. (If not state date of approval.)
 Total No. of visits 14

Is this Boiler a duplicate of a previous case yes If so, state Vessel's name and Report No. Standard B-Type

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under Special Survey in accordance with the approved Plan, the Requirements of the Rules & the Specification. The materials & workmanship are good & the boiler proved sound & tight under hydraulic test. The boiler is being stored until assigned to a vessel.

Survey Fee 1/3 of gross boiler fee +25%. £ 15 : 5 : 6 When applied for, 19
 Travelling Expenses (if any) £ : : When received, 19

R. Clifton
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned For minute see Sld. & B. Book Ppt. 34519



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