

JUN 1945

Received at London Office

27 JUN 1945

Date of writing Report

19

When handed in at Local Office

20.6.1945

Port of NEWCASTLE ON TYNE.

No. in Survey held at

Newcastle

Date, First Survey

(1943) No. 8

Last Survey

18-6-45

Reg. Book.

"EMPIRE ALLENBY."

(Number of Visits 103)

Gross

Tons

Net

Built at

Sunderland

By whom built

J. L. Thompson & Co

Yard No. 633.

When built 1945.

Engines made at

Newcastle

By whom made

C. A. PARSONS, LTD.

Engine No. 2606

When made 1945

Boilers made at

Newcastle

By whom made

N.E. Mar. Eng. Co. (1938) & Co

Boiler No. 3074

When made 1945.

Nominal Horse Power

1226 @ 490 lb. W.P.

Owners

Min. J. War Transport

Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Not Stated. See BIRM. CERTS. C. 2855, 2856, 2857 & 2858.

Date of Approval of plan

7/9/43, 4/10/43, also Letter E of 21/9/44 re-increase of W.P. to 490 lb. & SV's adjustment.

No. and Description or Type

of Boilers

2 FOSTER-WHEELER "D" TYPE.

Working Pressure

770 lbs. Tested by Hydraulic Pressure to 770 lbs.

Date of Test

28-6-44

No. of Certificate

1113.

Can each boiler be worked separately

Yes

Total Heating Surface of Boilers

6840 sq. ft.

Is forced draught fitted

Yes

Area of Fire Grate (coal) in each Boiler

Oil fired.

No. and type of burners (oil) in each boiler

3 of Wallsend-Howden Type

No. and description of safety valves on

each boiler

one of 2" dia Cockburn's Imp. H.L. on Steam Drum

Area of each set of valves per boiler

per rule 10.6 sq. in.

Pressure to which they

are adjusted

505 lbs. for 490 lb. W.P.

Are they fitted with easing gear

Yes

In case of donkey boilers state whether steam from main boilers can enter the donkey boiler

the donkey boiler

No

Smallest distance between boilers or uptakes and bunkers or woodwork

4' 0"

Height of boiler

21' 6" abt

Width and length

17' 6" x 12' 8" abt

Steam Drums:—Number in each boiler

One

Inside diameter

42"

Thickness of plates

15/8"

Range of tensile strength

28-32 tons (shell)

Are drum shell plates welded

or flanged

Welded

If fusion welded, state name of welding firm

John Thompson & Co, Wolverhampton

for Class I vessels been complied with

Yes

Description of riveting:—Circ. seams

long. seams

Diameter of rivet holes in long. seams

Yes

Pitch of rivets

Yes

Thickness of straps

Yes

Percentage strength of

long. joint:—Plate

Yes

Rivet

Yes

Diameter of tube holes in drum

2", 1 1/4"

Pitch of tube holes

Percentage strength of shell in way of tubes

50% min. for 2" + 1 1/4"

Steam Drum Heads or Ends:—Range of tensile strength

26-30 tons

Thickness of plates

17/8" + 13/4"

Radius or how stayed

3' 6"

Size of manhole or handhole

16" x 12"

Water Drums:—Number

in each boiler

One

Inside diameter

33"

Thickness of plates

19/32"

Range of tensile strength

28-32 tons

Are drum shell plates

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Pitch of tube holes

Percentage strength of drum shell in way of tubes

55.5 at 2" dia

Water Drum Heads or Ends:—Range of tensile strength

26-30 tons

Thickness of plates

19/16"

Radius or how stayed

2' 9"

Size of manhole or handhole

16" x 12"

Water Drums:—Number

in each boiler

One

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