

REPORT ON BOILERS.

AUG 1949 No. 579.

Received at London Office

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3 AUG 1949

Report 19 When handed in at Local Office 19 Port of NOTTINGHAM.

Survey held at NEWARK-ON-TRENT. Date, First Survey 25.2.49. Last Survey 10.6. 19 49.

the TRAWLER. "BLACKTHORN" (Number of Visits 3) Tons } Gross }
Net }

By whom built Messrs. Vospers Ltd., Yard No. 2406 When built 1946

By whom made Engine No. When made

By whom made Boiler No. When made

Port belonging to

L DONKEY BOILER. ✓

By whom made Abbott & Co. (Newark) Ltd. Boiler No. 4217 ✓ When made 1949 Where fixed LR

of Steel The Appleby-Frodingham Steel Co., Scunthorpe. ✓

Surface of Boiler 56.5 sq.ft. ✓ Is forced draught fitted - Coal or Oil fired Oil or Exht. Gas

Description of Boilers One-Clarkson Thimble Tube, Type Bato/65. ✓ Working pressure 25 lb./sq.in.

Working pressure to 50 lb./sq.in. ✓ Date of test 10th June, 1949. ✓ No. of Certificate 122 ✓

Rate in each Boiler 3 sq.ft. No. and Description of safety valves to each boiler One-2" Single, Spring, Lock up. ✓

Set of valves per boiler } per rule -
as fitted 3.14" ✓ Pressure to which they are adjusted - Are they fitted with easing gear Yes ✓

Can steam from main boilers enter the donkey boiler - Smallest distance between boiler or uptake and bunkers

Is oil fuel carried in the double bottom under boiler - Smallest distance between base of boiler and tank top plating

Is the base of the boiler insulated - Largest internal dia. of boiler 2 ft. 3 ins. Height 5 ft. 2 1/2 ins.

Material S.M. Steel. ✓ Tensile strength 28/32 T/sq.ins. ✓ Thickness 5/16" ✓

Plates welded or flanged Flanged. If fusion welded, state name of welding firm -

Requirements of the Rules for Class I vessels been complied with - Description of riveting: circ. seams } end Single Lap.
inter. Single Lap.

Single Lap. ✓ Dia. of rivet holes in } circ. seams 11/16" & 3/4" ✓
Pitch of rivets } 1.716" & 1.99" ✓
long. seams 3/4" ✓ Percentage of strength of circ. seams } plate 60 & 62.
rivets 47 & 49

at joint } plate 62
rivets 54 Thickness of butt straps } outer -
combined - inner - Shell Crown: Whether complete hemisphere, dished partial

at Flat Flanged. ✓ Material S.M. Steel. ✓ Tensile strength 26/30 T/sq.in. Thickness 1/2" ✓

Description of Furnace: Plain, spherical, or dished crown Plain ✓ Material S.M. Steel. ✓

Strength 26/30 Ton/sq.in. ✓ Thickness 1/2" External diameter } top 14.1/4" ✓
bottom 11.1/4" ✓ Length as per rule Yes ✓

Support stays circumferentially - and vertically - Are stays fitted with nuts or riveted over -

Stays over thread - Radius of spherical or dished furnace crown -

Ogee Ring - Diameter as per rule } D -
d -

Chamber: Material S.M. Steel. ✓ Tensile strength 26/30 T/sq.in. ✓ Thickness of top plate 3/8" ✓

Thickness of back plate - Diameter if circular 1'-8.1/8" ✓

Pitch of stays -

Are stays fitted with nuts or riveted over - Diameter of stays over thread -

Clarkson Thimble Tubes, in Combustion Chamber, Plate. ✓

Material } front - Tensile strength } - Thickness } - Mean pitch of stay tubes in nests -
back - Comb. Cham.

shell, Dia. as per rule } front - Pitch in outer vertical rows } 4" ✓ Dia. of tube holes } ~~XXXXXX~~ } plain 1.3/4" ✓ } BACK } stay -
plain -

Are stays fitted with nuts or riveted over - Diameter of stays over thread -

Combustion chamber tops: Material - Tensile strength -

Thickness of girder at centre - Length as per rule -

No. and pitch of stays in each -



Crown stays: Material - Tensile strength - Diameter { at body of stay, or over threads. -

No. of threads per inch - Screw stays: Material - Tensile strength -

Diameter { at turned off part, or over threads. - No. of threads per inch - Are the stays drilled at the outer ends -

Tubes: Material S.M. Steel. External diameter { plain 1.3/4" stay - Thickness { 10.G & 11.G.

No. of threads per inch - Pitch of tubes Vert. 4" Circum. 3.25"

Manhole Compensation: Size of opening in shell plate - Section of compensating ring - No. of rivets and diameter

of rivet holes - Outer row rivet pitch at ends - Depth of flange if manhole flanged -

Uptake: External diameter 8.3/4" Thickness of uptake plate 3/8"

Cross Tubes: No. - External diameters { - Thickness of plates -

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

The foregoing is a correct description, FOR ABBOTT & CO. (NEWARK), LIMITED, Geo. G. Ashurst, Manufacturer, DIRECTOR

Dates of Survey { During progress of work in shops - 25.2.49., 21.4.49., 10.6.49. Is the approved plan of boiler forwarded herewith 21.4.48. (If not state date of approval.) while building { During erection on board vessel - Total No. of visits

Is this 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.) This boiler has been built under Survey, in accordance with the approved plans, and to our satisfaction. On completion the boiler was subjected to a hydraulic pressure of 50 lbs./sq.in. and found to be sound and tight. Workmanship and materials are good. The boiler has been despatched to Messrs. Vosper Ltd., Portsmouth.

Survey Fee ... £ 10 : 0 : } When applied for, 2.8.1949. Travelling Expenses (if any) £ 2 : 0 : } When received, 19

E.G. Hickling, Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute FRI. 23 SEPT 1949 Assigned Defered Send See

