

REPORT ON BOILERS.

No. 131.

Received at London Office

19 JUL 1946

29 JUL 1946

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

Survey held at Newark-on-Trent. Date, First Survey 4.1.46. Last Survey 7.6. 1946.

on the MOTOR TRAWLER "MILFORD VISCOUNT" (Number of Visits 4) Tons { Gross... Net... }

at Selby. By whom built Cochrane & Sons Ltd. Yard No. 1319 When built 1946

ines made at Lincoln. { By whom made Ruston & Hornsby Ltd. Engine No 241110 When made 1946
INSTALLER BY MESSRS AMOS & SMITH L^d. Hull.

lers made at Newark-on-Trent. { By whom made Messrs. Abbott & Co. (Newark) Ltd. Boiler No A17637 When made 1946

Port belonging to

VERTICAL BOILER.

de at Newark. By whom made Messrs. Abbott & Co. (Newark) Ltd. Boiler No. A17637 When made 1946 Where fixed -

ufacturers of Steel Appleby-Frodingham Steel Co. Ltd., Scunthorpe, Lines.

nal Heating Surface of Boiler 197 sq. ft. Is forced draught fitted - Coal or Oil fired Oil.

and Description of Boilers 1 - Vertical Clarkson Thimble Tube Boiler type BATOG/190 Working Pressure 75 lbs. per sq. inch.

sted by hydraulic pressure to 150 lbs. per sq. in. Date of test 7.6.46. No. of Certificate 100

ea of fire grate in each Boiler - No. and description of safety valves to each boiler 1 - 1 1/2" Cast Iron Double Spring Safety Valve.

ea of each set of valves per boiler { per Rule 1-82 Pressure to which they are adjusted - Are they fitted with easing gear -
as fitted 3-5-3

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

woodwork - 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'-9" Height 8'-9"

ell plates: Material S.M. Steel. Tensile strength 23/32 tons. Thickness 3/8"

re the shell plates welded or flanged flanged If fusion welded, state name of welding firm -

ave all the requirements of the Rules for Class I vessels been complied with - Description of riveting: circ. seams { end Single Riv. Lap.
inter -

ng. seams Single Riv. double Dia. of rivet holes in { circ. seams 13/16 Pitch of rivets { 2" Percentage of strength of circ. seams { plate -
butt straps. { long. seams 13/16 { 2" { rivets -

longitudinal joint { plate 59.37% Thickness of butt straps { outer 3/8" Shell Crown: Whether complete hemisphere, dished partial
rivets 106% { inner 3/8" { 26-30
combined -

herical, or flat Flat Material S.M. Steel. Tensile strength 26/30 Thickness 7/16"

adius 2" Description of Furnace: Plain, spherical, or dished crown - Material -

ensile strength - Thickness - External diameter { top - Length as per Rule -
bottom -

itch of support stays circumferentially - and vertically - Are stays fitted with nuts or riveted over -

iameter of stays over thread - Radius of spherical or dished furnace crown -

ickness of Ogee Ring - Diameter as per Rule { D -
d -

Combustion Chamber: Material S.M. Steel. Tensile strength 26/30 Thickness of top plate 7/16"

adius if dished 2" Thickness of back plate - Diameter if circular 2'-0"

length as per Rule - Pitch of stays -

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

himble Circular S.M. Steel Tensile strength 26/30 Thickness 7/16" Mean pitch of stay tubes in nests -

Tube Plates: Material { front - Pitch in outer vertical rows { 2 1/2" Oil Fired - Exh. Gas -
back - { plain 1 1/2" BACK { plain 1 1/2"

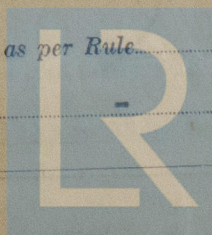
comprising shell, dia. as per Rule { front - Dia. of tube holes 1 1/2"

each alternate tube in outer vertical rows a stay tube -

irders to Combustion Chamber Tops: Material - Tensile strength -

Depth and thickness of girder at centre - Length as per Rule -

Distance apart - No. and pitch of stays in each -



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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 Mild Steel Pressings. External diameter { plain 1 3/4" - 1 3/8" x 1 3/4" - 1 1/2" 13G & 12G

No. of threads per inch - Exhaust Gas Thickness {

Pitch of tubes Top 3.37" Bott. 3.55" Oil Fired C.C. 4.5

Manhole Compensation: Size of opening in shell plate 4 1/2" x 3" Section of compensating ring 2 1/2" x 3/8" No. of rivets and dia

of rivet holes 6 - 5/8" rivets - 11/16" Outer row rivet pitch at ends. Depth of flange if manhole flanged -

Uptake: External diameter 1' - 0 7/8" Thickness of uptake plate 7/16"

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.
G. F. Ashurst
DIRECTOR

Dates of Survey { During progress of work in shops - - 4.1.46., 25.1.46., 26.3.46., 7.6.46. Is the approved plan of boiler forwarded herewith Yes.

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 Special Survey in accordance with the Society's Rules, the Secretary's letters and the Approved Plans.

Workmanship and materials are good. The boiler has been despatched to Messrs. Ruston & Hornsby Ltd., Lincoln.

The above boiler fitted in motor trawler Milford Viscount by Messrs. Ames & Smith Ltd., Hull was examined under steam, safety valves adjusted to 75 lb, accumulation test held, tried under working conditions and found satisfactory. Easing gear was fitted. There is no woodwork near the boiler. Size of safety valve rings F & A 1/4". W. S. Shields, Hull. 16.7.47.

Survey Fee ... £ 6 : 0 : 0 When applied for 19

Travelling Expenses (if any) £ 2 : 0 : 0 When received 19

Date FRI. 5 SEP 1947

Committee's Minute Transmitted see Memo E. Kelly Rpt 54286