

REPORT ON BOILERS.

No. 160

Received at London Office

16 MAY 1953

Report 22/4/1953 When handed in at Local Office 24th May 1953 Port of Birmingham

Key held at Tipton Staffordshire Date, First Survey 3rd March 1953 Last Survey 21st April 1953

M.V. MARGIT (Number of Visits) Tons Gross Net

Spanner Patent "Swirlyflo" Exhaust Gas Boiler By whom built Nakshov Skibsværft Denmark Yard No. 133 When built

By whom made Engine No. When made

By whom made Boiler No. When made

Port belonging to

L DONKEY BOILER.

Staffs By whom made Wrights Forge & Engineering Ltd Boiler No. J825 When made 1953 Where fixed

of Steel Appleby - Yrodingham Steel Co

Surface of Boiler 920 Square feet Is forced draught fitted - Coal or Oil fired -

Description of Boilers One Spanner Patent Swirlyflo Exhaust Gas Boiler Working pressure 100 LBS

g. ulic pressure to 200 LBS Date of test 17th April 1953 No. of Certificate 129

ate in each Boiler - No. and Description of safety valves to each boiler -

t of valves per boiler { per rule - as fitted - Pressure to which they are adjusted - Are they fitted with easing gear -

Steam from main boilers can 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 4'-11 1/4" Height 8'-0"

Material Steel Tensile strength 28/32 Tons/sq. in Thickness 3/8"

ates welded or flanged Welded If fusion welded, state name of welding firm Messrs Henry Balfour & Co Ltd

uirements of the Rules for Class I vessels been complied with Yes Description of riveting: circ. seams { end - inter -

Dia. of rivet holes in { circ. seams - long. seams - Pitch of rivets - Percentage of strength of circ. seams { plate - rivets -

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

Material - Tensile strength - Thickness -

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

Thickness - External diameter { top - bottom - Length as per rule -

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

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

ee Ring - Diameter as per rule { D - d -

amber: Material - Tensile strength - Thickness of top plate -

d - Thickness of back plate - Diameter if circular -

ule - Pitch of stays -

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

Material { Top Steel Bottom Steel Tensile strength { 28/32 Tons/sq. in Thickness { 1" Mean pitch of stay tubes in nests

ell, Dia. as per rule { front - back - Pitch in outer vertical rows { Dia. of tube holes { TOP stay 2 1/2" Bottom stay 2 1/2" plain 2 9/16" plain 2 1/2"

te tube in outer vertical rows a stay tube -

ustion chamber tops: Material - Tensile strength -

ness of girder at centre - Length as per rule -

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 Steel Seamlers Hot-Finished External diameter { plain 2 1/2 & 2 9/16 Thickness 85w stay 2 1/2 } 38

No. of thraeds per inch Stay tubes welded into tube-plates Pitch of tubes 3 3/8 Triangular Pitch

Manhole Compensation: Size of opening in shell plate 18" x 14" Section of compensating ring 3 1/2" x 1" No. of

of rivet holes Welded into shell Outer row rivet pitch at ends Depth of flange if manhole flanged

Uptake: External diameter Thickness of uptake plate

Cross Tubes: No. External diameters Thickness of plates

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

The foregoing is a correct description

R. L. Lunn

Dates of Survey { During progress of work in shops March 3, 11, 16, 20 April 2, 14, 17 & May 4 1953 Is the approved plan of boiler forwarded herewith (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 Special Survey to the approved Spanner Draw
The materials and workmanship are good.
Safety Valves and mountings have not been fitted to this boiler
The boiler has now been despatched to Messrs NAKSKOV SKIBSVAERFT D.
for installing in vessel yard N°133

Survey Fee £ 12 : 12 : { When applied for, 15th May 1953

Travelling Expenses (if any) £ : 5 : { When received, 19

FRIDAY 4 DEC 1953

Committee's Minute
Assigned

H. L. Lloyd
Engineer Surveyor to Lloyd's Register