

REPORT ON BOILERS.

Received at London Office 25 Mar. 1957

Date of writing Report 13/3 1957 When handed in at Local Office 19/3 1957 Port of GO THENBURG

No. in Reg. Book. Survey held at UDDEVALLA Date, First Survey 4.1.57 Last Survey 28.2. 19 57

8/92555 on the Single Screw Motor Tanker "S T A N V A L E" (Number of Visits 9) Tons {Gross 12,029 Net 6,884

Built at Uddevalla By whom built A.-B. Uddevallavarvet Yard No. 160 When built 1957-2

Engines made at Uddevalla By whom made A.-B. Uddevallavarvet Engine No. 564 When made 1957

Boilers made at Middlesbrough By whom made Stockton Chemical Engineers & Riley Boilers Ltd. Boiler No. 7467/68 When made 1956

MN as per Rule 1500 Owners Stanhope Steamship Co. Ltd. Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel ---

Total Heating Surface of Boilers 2 x 250 m² Of Superheaters None

Total for Register Book 500 m² Is forced draught fitted Yes Coal or Oil fired Oil fired

No. and Description of Boilers Two S.E. multitubular S.B. Working Pressure 150 lbs/sq".

Tested by hydraulic pressure to 275 lbs. Date of test 15-22/10-56 No. of Certificate MDB 7467/68 Can each boiler be worked separately Yes

Area of Firegrate in each Boiler Oil Fired No. and Description of safety valves to each boiler Double spring loaded

Area of each set of valves per boiler {per Rule 14242 mm² as fitted 15708 mm² Pressure to which they are adjusted 150 lbs. Are they fitted with easing gear Yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No main boiler

Smallest distance between boilers or uptakes and bunkers or woodwork --- Is oil fuel carried in the double bottom under boilers ---

Smallest distance between boilers or uptakes and bunkers or woodwork Boilers on a platform Is the bottom of the boiler insulated Yes

Largest internal dia. of boilers --- Length --- Shell plates: Material --- Tensile strength ---

If fusion welded, state name of welding Firm --- Have all the requirements of the Rules for Class I vessels been complied with ---

Thickness --- Are the shell plates welded or flanged --- Description of riveting: circ. seams {end --- inter ---

long. seams --- Diameter of rivet holes in {circ. seams --- long. seams --- Pitch of rivets {

Percentage of strength of circ. end seams {plate --- rivets --- Percentage of strength of circ. intermediate seam {plate --- rivets ---

Percentage of strength of longitudinal joint {plate --- rivets --- combined ---

Thickness of butt straps {outer --- inner --- No. and Description of Furnaces in each Boiler ---

Material --- Tensile strength --- Smallest outside diameter ---

Length of plain part {top --- bottom --- Thickness of plates --- Description of longitudinal joint ---

Dimensions of stiffening rings on furnace or c.c. bottom ---

End plates in steam space: Material --- Tensile strength --- Thickness --- Pitch of stays ---

How are stays secured ---

Tube plates: Material {front --- back --- Tensile strength { --- Thickness { ---

Mean pitch of stay tubes in nests --- Pitch across wide water spaces ---

Girders 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 --- Combustion chamber plates; Material ---

Tensile strength --- Thickness: Sides --- Back --- Top --- Bottom ---

Pitch of stays to ditto: Sides --- Back --- Top --- Are stays fitted with nuts or riveted over ---

Front plate at bottom: Material --- Tensile strength ---

Thickness --- Lower back plate: Material --- Tensile strength --- Thickness ---

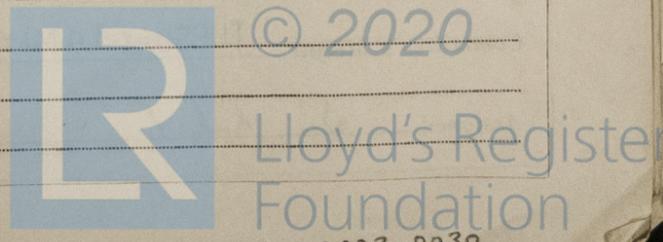
Pitch of stays at wide water space --- Are stays fitted with nuts or riveted over ---

Main stays: Material --- Tensile strength ---

Diameter {At ends of stay --- or --- No. of threads per inch --- Over threads ---

Screw stays: Material --- Tensile strength ---

Diameter {At turned off part --- or --- No. of threads per inch --- Over threads ---



Are the stays drilled at the outer ends..... Margin stays: Diameter { At turned off part.....
 or
 Over threads.....

No. of threads per inch.....

Tubes: Material..... External diameter { Plain..... Thickness { No. of threads per inch.....
 Stay.....

Pitch of tubes..... 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..... 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.....
 Rivets.....

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.

UDDEVALLE correct description,
 J. M. T. [Signature]

Dates of Survey while building { During progress of work in shops - - -
 During erection on board vessel - - - } Are the approved plans of boiler and superheater forwarded herewith (if not state date of approval.)
 4.1.57 - 28.2.57. Total No. of visits 9.

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These Donkey Boilers have been securely fitted in the ship under my inspection and to my satisfaction.

The boilers have been made under Special Survey as per Middlesbrough Donkey Boiler certificates Nos. 7467/68 attached herewith.

An exhaust gas economiser of Spanner type, manufactured by Wrights Forge and Eng. Co. Ltd., Liston, has also been securely fitted onboard and the safety valves have been adjusted under steam to 150 lbs/sq". Accumulation tests of the Donkey Boilers have been carried out with satisfactory results.

Certificate of the Exhaust Gas Economiser is enclosed herewith.

Exhaust Gas Economiser	
W.F.E. 105	
Spanner Boiler No. J.1718	
No. 285 BHM.	
LLOYD'S TEST 275 lbs.	
WP 149 lbs.	
11.10.56. D.P.	

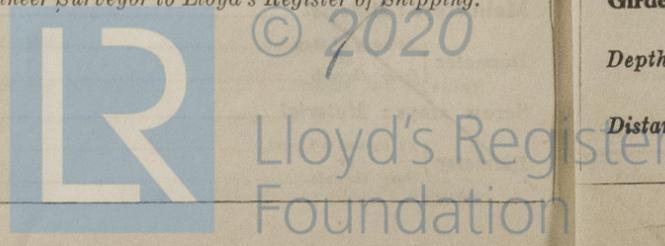
Survey Fee £ When applied for..... 19.....

Travelling Expenses (if any) £ When received..... 19.....

[Signature]
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUESDAY 14 MAY 1957

Assigned See Rpt. 1.



Date of writing
 No. in Reg. Book.
 Built at
 Engines made
 Boilers made
 Owners
 VERTICAL
 Made at
 Manufactured
 Total Heat
 No. and D
 Tested by
 Area of fire
 Area of ea
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 or woodwo
 Shell plate
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