

REPORT ON BOILERS.

No. 10355.

Received at London Office

Date of writing Report 4th October 1937 When handed in at Local Office 19 Port of Copenhagen

No. in Survey held at Aalborg Date, First Survey 16th August Last Survey 28th September 1937
Reg. Book

on the Single Screw Motor Vessel "FLEX VAN OPSTAL" (Number of Visits 12) Tons Gross 5965.14
Net 3446.93

Built at Aalborg By whom built A/S Aalborg Skibsverf Yard No. 80 When built 1937

Engines made at Copenhagen By whom made Abt. Bunnister & Wain Engine No. 2660 When made 1937

DONKEY Boilers made at Amman By whom made Cochran & Co Ltd Boiler No. 13483 When made 1937

Owner Compagnie Maritime Belge (Compagnie Royale) S. A. Port belonging to Antwerp

Please see Glasgow Report No 58257

VERTICAL DONKEY BOILER.

Made at - By whom made - Boiler No. 13483 When made 1937 Where fixed in the engine room

Manufacturers of Steel -

Total Heating Surface of Boiler - Is forced draught fitted no Coal or Oil fired & extra fuel gas

No. and Description of Boilers one Working pressure -

Tested by hydraulic pressure to - Date of test - No. of Certificate 19938

Area of Firegrate in each Boiler ✓ No. and Description of safety valves to each boiler 2 off direct spring loaded, 2 1/2" diam.

Area of each set of valves per boiler per rule 980" Pressure to which they are adjusted 100 lbs/sq" Are they fitted with easing gear yes

State whether steam from main boilers can enter the donkey boiler no main boiler Smallest distance between boiler or uptake and bunkers

or woodwork no woodwork Is oil fuel carried in the double bottom under boiler no Smallest distance between base of boiler and tank top plating

1200 w/m Is the base of the boiler insulated yes Largest internal dia. of boiler - Height -

Shell plates: Material - Tensile strength - Thickness -

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

Dia. of rivet holes in circ. seams - long. seams - Pitch of rivets - Percentage of strength of circ. seams plate - rivets - of Longitudinal joint plate - rivets - combined -

Working pressure of shell by rules - Thickness of butt straps outer - inner -

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat - Material -

Tensile strength - Thickness - Radius - Working pressure by rules -

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

Thickness - External diameter top - bottom - Length as per rule - Working pressure by rules -

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

Diameter of stays over thread - Radius of spherical or dished furnace crown - Working pressure by rule -

Thickness of Ogee Ring - Diameter as per rule D - a - Working pressure by rule -

Combustion Chamber: Material - Tensile strength - Thickness of top plate -

Radius if dished - Working pressure by rule - Thickness of back plate - Diameter if circular -

Length as per rule - Pitch of stays - Are stays fitted with nuts or riveted over -

Diameter of stays over thread - Working pressure of back plate by rules -

Tube Plates: Material front - back - Tensile strength - Thickness - Mean pitch of stay tubes in nests -

If comprising shell, Dia. as per rule front - back - Pitch in outer vertical rows - Dia. of tube holes FRONT stay - plain - BACK stay - plain -

Is each alternate tube in outer vertical rows a stay tube - Working pressure by rules front - back -

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 - Working pressure by rule -

W467-0140



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

No. of threads per inch _____ Area supported by each stay _____ Working pressure by rules _____

Screw stays: Material _____ Tensile strength _____ Diameter { at turned off part, _____ or over threads _____ No. of threads per inch _____

Area supported by each stay _____ Working pressure by rules _____ Are the stays drilled at the outer ends _____

Tubes: Material _____ External diameter { plain _____ stay _____ Thickness { _____

No. of threads per inch _____ Pitch of tubes _____ Working pressure by rules _____

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 _____ 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 yes

The foregoing is a correct description, _____

Manufacturer. _____

Dates of Survey while building { During progress of work in shops - - } _____

{ During erection on board vessel - - } 10/9 - 11/9 - 14/9 - 17/9 - 22/9 - 23/9 - 24/9 - 25/9

Is the approved plan of boiler forwarded herewith (If not state date of approval.) nt

Total No. of visits 12

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.) This dummy boiler has been fitted on board the above vessel under special survey in accordance with the Rules

a duplex feed pump, 3 1/2" x 2 1/2" x 4" and a steam injector has been fitted to the boiler.

The boiler is supplying steam for the boiler in the accommodation, the emergency air compressor and a steam whistle.

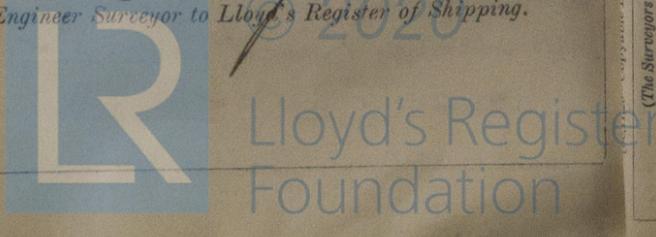
Survey Fee ... £ 10 on the main report. ✓ When applied for, _____ 19 _____

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

J. Langhorne Jensen
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 12 OCT 1937

Assigned See other FE report



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