

Copy.
REPORT ON BOILERS.

No. 6689.

Received at London Office

Writing Report 21-11 1950 When handed in at Local Office 22-11 1950 Port of Oslo.

Survey held at Oslo Date, First Survey 10-2-50 Last Survey 20-11 1950

(Number of Visits 6) Tons { Gross Net

on the
Göteborg.

By whom built A/B. Lindholmens Varv. Yard No. 1017. When built

By whom made Engine No. When made

made at Oslo. By whom made G/S. Elektrisk Sveisning. Spanel Boiler No. 473 When made 1950.

Port belonging to

TICAL DONKEY BOILER.

Spanel No 473.

Oslo By whom made G/S Elektrisk Sveisning Boiler No. 404 When made 1950. Where fixed ✓

Manufacturers of Steel Appleby Frodingham Steel Company. Sunthorpe Lines.

Heating Surface of Boiler 120 m² Is forced draught fitted ✓ EXHAUST Coal or Oil fired Yes.

Description of Boilers One Vertical Spanel "Sveinlyffe" White heat Boiler Working pressure 180 kg/cm²

by hydraulic pressure to 320 kg/cm² Date of test 20-11-50 No. of Certificate 156

Firegrate in each Boiler ✓ No. and Description of safety valves to each boiler One Double Marine.

each set of valves per boiler { per rule ✓ as fitted 3.14 m² Pressure to which they are adjusted ✓ Are they fitted with easing gear ✓

Whether steam from main boilers can enter the donkey boiler ✓ Smallest distance between boiler or uptake and bunkers

work ✓ 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 1830 mm Height 1780 mm

Material S. M. Steel Tensile strength 26/30 Ton/cm² Thickness 5/8

shell plates welded or flanged Welded If fusion welded, state name of welding firm G/S Elektrisk Sveisning.

the requirements of the Rules for Class I vessels been complied with ✓ 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 ✓

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

l, or flat ✓ Material ✓ Tensile strength ✓ Thickness ✓

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

strength ✓ Thickness ✓ External diameter { top ✓ bottom ✓ Length as per rule ✓

support stays circumferentially ✓ and vertically ✓ Are stays fitted with nuts or riveted over ✓

or of stays over thread ✓ Radius of spherical or dished furnace crown ✓

ss of Ogee Ring ✓ Diameter as per rule { D ✓ d ✓

tion Chamber: Material ✓ Tensile strength ✓ Thickness of top plate ✓

if dished ✓ Thickness of back plate ✓ Diameter if circular ✓

as per rule ✓ Pitch of stays ✓

is fitted with nuts or riveted over ✓ Diameter of stays over thread ✓

lates: Material Top S.M. Steel Tensile strength 26/30 Ton/cm² Thickness 1" Mean pitch of stay tubes in nests 63-126

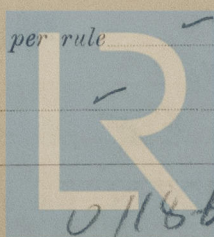
rising shell, Dia. as per rule { front ✓ back ✓ Pitch in outer vertical rows { ✓ Dia. of tube holes FRONT { stay 2 1/16 plain 2 1/16 BACK { stay 2" plain 2"

alternate tube in outer vertical rows a stay tube ✓

to combustion chamber tops: Material ✓ Tensile strength ✓

nd thickness of girder at centre ✓ Length as per rule ✓

apart ✓ No. and pitch of stays in each ✓



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Lloyd's Register
Foundation

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 Hot rolled Swinley's Tubes External diameter { plain 2" - 2 1/16" Thickness { 3.66" or stay 2" - 2 1/16" 9.5"
No. of threads per inch ✓ Pitch of tubes ✓
Manhole Compensation: Size of opening in shell plate 300 x 400 1/2" Section of compensating ring 90 x 25 3/4" Vent No. of rivets and
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

The foregoing is a correct description,

Dates of Survey { During progress of work in shops - 10/2/50 and various to 20/11/50. Is the approved plan of boiler forwarded herewith 24/2/50 (If not state date of approval.)
while building { During erection on board vessel - - Total No. of visits 6.

Is this Boiler a duplicate of a previous case 1/50 If so, state Vessel's name and Report No. Spamal Boil. No 472 Colby

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

This boiler has been made under Special Survey in accordance with the approved plans and the Secretary's letter.

The materials used were tested by the Society's Surveyors. The electric welding was carried out by recognised welders using approved electrodes. Films of the longitudinal seam were submitted together with test results of the welded specimens. Test were carried out in accordance with the Rules for Class I Welded Pressure Vessels.

Upon completion the boiler was heat treated at the works of A/s Kvarner Brug. The workmanship is good and the electric welding is to and satisfactory. On completion the boiler was hydraulically tested to 320 lb/sq. in. with satisfactory results. The boiler is eligible in our opinion to be installed in a closed vessel.

The boiler was stamped for identification:-

LR No 156
hydro test 320 lb/sq. in.
W.P. 180 lb/sq. in.
20-11-50. E.F.B.

Survey Fee ... £ : : When applied for, 19
Travelling Expenses (if any) £ : : When received, 19

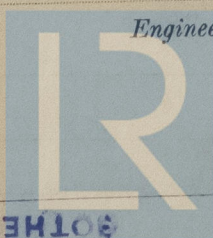
Committee's Minute

Assigned

Sir F.E. Welch, M.P.

TUES. 19 FEB 1952

Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

18730

BOOTHENBURG FIRST ENTRY REPORT NO.