. 5a.

REPORT ON BOILERS.

No. 12386

Received at London Office.....

of writing Report 26-1 19 6 When handed in at Local Office..... 19..... Port of Stockholm

. in Book. Survey held at Gävle Date, First Survey 8.5.59. Last Survey 17.11. 1959.

60 on the Tween Screw Motorship "ARBAN" (Number of Visits 3) Tons { Gross 1500 / Net -

t at Gävle By whom built A/B Gävle Varv Yard No. 102 When built 1959

ines made at Hamburg By whom made Maschinenfabrik Augsburg-Nürnberg AG Engine No. 405260 & 405261 When made 1959

ers made at Sävsjö, Sweden By whom made AB Vatten och Ånga Boiler No. 25308 When made 1959

as per Rule - Owners U.S.S.R. Port belonging to Leningrad

LTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

ufacturers of Steel

l Heating Surface of Boilers Of Superheaters

l for Register Book Is forced draught fitted Coal or Oil fired

and Description of Boilers Working Pressure

ed by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately

a of Firegrate in each Boiler No. and Description of safety valves to each boiler

a of each set of valves per boiler { per Rule / as fitted } Pressure to which they are adjusted 85 lbs/sq. ins. Are they fitted with easing gear Yes

ase of donkey boilers, state whether steam from main boilers can enter the donkey boiler

lest distance between boilers or uptakes and bunkers or woodwork 710 mm Is oil fuel carried in the double bottom under boilers No

lest distance between boilers or uptakes and bunkers or woodwork - Is the bottom of the boiler insulated Yes

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

usion welded, state name of welding Firm Have all the requirements of the Rules for Class I vessels

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

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

entage of strength of circ. end seams { plate / rivets } Percentage of strength of circ. intermediate seam { plate / rivets }

ntage of strength of longitudinal joint { plate / rivets / combined }

ness of butt straps { outer / inner } No. and Description of Furnaces in each Boiler

rial Tensile strength Smallest outside diameter

th of plain part { top / bottom } Thickness of plates Description of longitudinal joint

ensions of stiffening rings on furnace or c.c. bottom

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

are stays secured

e plates: Material { front / back } Tensile strength { / } Thickness { / }

a pitch of stay tubes in nests Pitch across wide water spaces

lers to combustion chamber tops: Material Tensile strength Depth and thickness of girder

ntre Length as per Rule Distance apart No. and pitch of stays

ch Combustion chamber plates; Material

le strength Thickness: Sides Back Top Bottom

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

plate at bottom: Material Tensile strength

ness Lower back plate: Material Tensile strength Thickness

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

stays: Material Tensile strength

ter { At body of stay / or / Over threads } No. of threads per inch

stays: Material Tensile strength

ter { At turned off part, / or / Over threads } No. of threads per inch

Got. rpt. No. 14772

011304-011315-0107

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 ..... Stay ..... } Thickness { .... } No. of threads per inch .....

Pitch of tubes ..... **Manhole compensation:** Size of open

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

stays ..... Inner radius of crown .....

How connected to shell ..... Size of doubling plate under dome ..... Diameter of rivet holes and

of rivets in outer row in dome connection to shell .....

Got. rpt. No. 24772

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

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 pr

tubes ..... forgings and castings ..... and after assembly in place ..... Are drain c

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 .....

The foregoing is a correct description,

..... Manufa

Dates of Survey while building — During progress of work in shops - - } See Got.rpt. No. 24772 — Are the approved plans of boiler and superheater forwarded herewith ..... London 29.6.5
(If not state date of approval.)

During erection on board vessel - - - } 8.5. - 23.6 - 17.11.59. — Total No. of visits 3

Is this Boiler a duplicate of a previous case Yes — If so, state Vessel's name and Report No. "PAMIR" Got. rpt. No. 24096
"ALDAN" Got. rpt. No. 24200
"AGATAN" Got. rpt. No. 24544

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

This donkey boiler has been fitted onboard in accordance with the Rules and to my satisfaction. The workmanship is good.

Safety valves adjusted under steam, and accumulation pressure test carried out with satisfactory resul

TMW

Survey Fee ... ... £ No charge. — When applied for, ... 19 .....

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

J. Erikson.

Engineer Surveyor to Lloyd's Register of Shippi

Committee's Minute FRIDAY 11 MAR 1960

Assigned See Rpt-1.