

REPORT ON BOILERS.

No. F.E.M. 060 13. MAR. 1962

Received at London Office

Date of writing Report 25-2-1962 When handed in at Local Office 19 Port of G D A N S K

No. in Survey held at Gdansk Date, First Survey 26. July 1961 Last Survey 16. Feb. 1962

Reg. Book. on the M.T. "BALACLAVA" (Number of Visits) Gross 13269,91 Tons Net 8670,18

Built at Gdansk By whom built Stocznia Gdanska Yard No B70/2 When built 1960-61

Engines made at Poznan By whom made H. Cegielski-Sulzer Poznan Engine No. When made

St. Receiver ~~Boiler~~ made at Gdansk By whom made Stocznia Gdanska Boiler No. 1682 When made 1961

Owners U.S.S.R. Ministry of Shipping Port belonging to B I G A

Steam Receiver

Made at Gdansk By whom made Stocznia Gdanska Boiler No. 1682 When made 1961 Where fixed Blr. Room Upper Plate Stbds.

Manufacturers of Steel Huta "Jedność"; Huta "Batory"- Poland

Total Heating Surface of each Boiler - Is forced draught fitted - Coal or Oil fired -

No. and Description of Boilers Steam Receiver Polish design LA 5/IV Working Pressure 12,5 kgs/cm²

Tested by hydraulic pressure to 22,5 kgs/cm² Date of test 23rd Aug. 1961 No. of Certificate Gdk 083

Area of fire grate in each Boiler - No. and description of safety valves to each boiler One - twin improved high lift

Area of each set of valves per boiler { per Rule 1605 mm² as fitted 3920 mm² Pressure to which they are adjusted (circled) Are they fitted with easing gear Yes

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

or woodwork - 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 1376 mm Height 1750 mm

Shell plates: Material SM Steel Tensile strength 41-47 kgs/mm² Thickness 12 mm

Are the shell plates welded or flanged welded If fusion welded, state name of welding firm Stocznia Gdanska -Boilershop

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

long. seams - Dia. of rivet holes in { circ. seams - Pitch of rivets { Thickness of butt straps { outer - inner -

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat spherical Material SM Steel Tensile strength 41-47 kgs/mm² Thickness 15 mm

Radius 1205 mm Description of Furnace: Plain, spherical, or dished crown - Material -

Tensile strength - Thickness - External diameter { top - bottom - Length as per Rule -

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 -

Thickness of Ogee Ring - Diameter as per Rule { D - d -

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

Radius if dished - 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 -

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

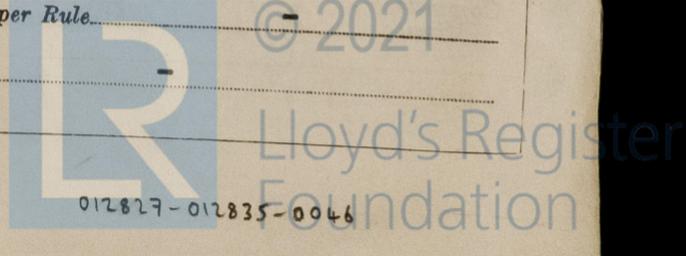
of comprising shell, dia. as per Rule { front - back - Pitch in outer vertical rows { Dia. of tube holes FRONT { stay - plain - BACK { stay - plain -

each alternate tube in outer vertical rows a stay tube -

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 -



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 - External diameter { plain - stay - Thickness { -

No. of threads per inch - Pitch of tubes -

Manhole Compensation: Size of opening in shell plate 405 x 305 mm Section of compensating ring 90 x 22 mm No. of rivets and diameter of rivet holes no - EW. 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,

R. Peszkowski
mgr inż. R. Peszkowski
Manufacturer.

Dates of Survey while building { During progress of work in shops - 26th, July; 5th, 12th, 23rd, Aug. 61. Is the approved plan of boiler forwarded herewith (If not state date of approval.)
During erection on board vessel - - - 10 Total No. of visits 14

Is this Boiler a duplicate of a previous case **Yes**. If so, state Vessel's name and Report No. **M.V. "Rhone", M.V. "Rhin" Fem051, Fem**

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) **The LA-5/IV Type Steam Receiver described herein has been constructed under Special Survey, and in accordance with the Rules, approved plans and Secretary's letters. The materials used and the workmanship are of good quality, and the Steam Receiver has been efficiently installed on board the M.T. "Balaclava". The safety valves have been adjusted to blow at .**

In our opinion this Steam Receiver is eligible to be classed in the Register Book with the Main Machinery.

Compression rings distances:
P.S. - 6,1mm; Stbd.S - 5,0 mm

Survey Fee zŁ 630.- & £ 12.-.- When applied for 28.2. 19 62
-10% = zŁ 565.- & £ 10.15.-
Travelling Expenses (if any) £ : : When received 19

X
Date **FRIDAY 27 APR 1962**

G. Manson for self & P.J. Beaman M.J. Chuchla
Engineer Surveyor to Lloyd's Register of Shipping.
G. Manson, P.J. Beaman, M.J. Chuchla.

Committee's Minute *See Rpt 1*



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