

REPORT ON BOILERS.

No. 20168

5 JUN 1963

Received at London Office.

Date of writing Report 19 When handed in at Local Office 19 Port of Copenhagen

No. in Survey held at Copenhagen Date, First Survey 9.1. Last Survey 5/4 1963

Reg. Book. 2679 on the m.s. "KOSMONAVT" (Number of Visits 13) Gross 10658 Tons Net -

Built at Copenhagen By whom built A/S Burmeister & Wain Yard No. 791 When built 1963-4

Engines made at Copenhagen By whom made A/S Burmeister & Wain Engine No. 7171 When made 1962-7

Boilers made at Aalborg By whom made Aalborg Værft A/S Boiler No. 2014 When made 1962-1

Owners U.S.S.R. Port belonging to Odessa

For further particulars please see Aalborg Report No. 19483

Auxiliary VERTICAL/BOILER.

In a separate boiler room at the forward end of the engine

Made at Aalborg By whom made Aalborg Værft A/S Boiler No. 2014 When made 1962-1 Where fixed room portside

Manufacturers of Steel

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

No. and Description of Boilers Working Pressure 100 lbs

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

Area of fire grate in each Boiler No. and description of safety valves to each boiler

Area of each set of valves per boiler { per Rule Pressure to which they are adjusted 100 lbs Are they fitted with easing gear

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

or woodwork No 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 yes Largest internal dia. of boiler Height

Shell plates: Material Tensile strength Thickness

Are the shell plates welded or flanged If fusion welded, state name of welding firm

Have all the requirements of the Rules for Class I vessels been complied with 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 Material Tensile strength Thickness

Radius 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

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

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

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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 _____ 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 _____

The foregoing is a correct description,

Manufacturer _____

Dates of Survey while building { During progress of work in shops - - } _____ Is the approved plan of boiler forwarded herewith (If not state date of approval.) _____
During erection on board vessel - - } 9/1-14/1-21/1-30/1-8/2-11/2- _____ Total No. of visits 13
13/2-14/2-18/2-7/3-3/4-4/4-5/4-63

Is this Boiler a duplicate of a previous case Yes _____ If so, state Vessel's name and Report No. m.s. "BELOVODSK" Cpn Rpt. No. 19869

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boiler has been fitted on board under special survey in accordance with the requirements of the Rules.

On completion of the installation the boiler was examined under steam and the safety valves adjusted to 100 lbs. and the accumulation tested and found in order.

Survey Fee ... £ _____

Travelling Expenses (if any) £ _____

When applied for _____ 19 _____

When received _____ 19 _____

Date FRIDAY 28 JUN 1963

Committee's Minute _____

Engineer Surveyor to Lloyd's Register of Shipping.



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