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# REPORT ON BOILERS.

STEAM RECEIVER

No. FEM 076

Received at London Office 19 MAY 1964

Date of writing Report 22.4.1964 When handed in at Local Office 19. Port of Gdańsk

Survey held at Gdańsk and Gdynia Date, First Survey 15-4-63 Last Survey 15-2-1964

Boat No. 711 on the M.V. "FRANCESCO NULLO" (Number of Visits 6) Tons { Gross 6600 Net

Boiler made at Gdynia By whom built St.im. Kom.Paryskiej Yard No. B41/1 When built 1963

Engines made at Poznań By whom made Zakł.Przem. Met. H.Cegielski Engine No. 001 When made 1963

Boilers made at Gdańsk By whom made Stocznia Gdańska Boiler No. 2058 When made 1963

Owners Polish Government Port belonging to Gdańsk

STEAM RECEIVER

## VERTICAL BOILER

Boiler made at Gdańsk By whom made Stocznia Gdańska Boiler No. 2058 When made 1963 Where fixed ER.raised Ptfm.

Manufacturers of Steel Huta Batory, Huta Jedność, Huta Nowotko,

Total Heating Surface of each Boiler not heated Is forced draught fitted NA Coal or Oil fired NA

Name and Description of Boilers One, Vertical, Cylindrical Steam Receiver Working Pressure 7 kgs/cm<sup>2</sup>

Tested by hydraulic pressure to 14kgs/cm<sup>2</sup> Date of test 30th April, 1963 No. of Certificate GDK 098

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

Area of each set of valves per boiler { per Rule 1605mm<sup>2</sup> as fitted 1960mm<sup>2</sup> Pressure to which they are adjusted 7kgs/cm<sup>2</sup> Are they fitted with easing gear yes

Is it possible to enter the boiler from main boilers can enter the donkey boiler no main boilers Smallest distance between boiler or uptake and bunkers

Is there any woodwork NA Is oil fuel carried in the double bottom under boiler NA Smallest distance between base of boiler and tank top plating

Receiver 1180mm Is the base of the boiler insulated - Largest internal dia. of boiler 1200mm Height 1850mms

Shell plates: Material S.M. Steel Actual Min Tensile strength 46.5 kgs/mm<sup>2</sup> Thickness 10mms

Are the shell plates welded or flanged F.Welded If fusion welded, state name of welding firm Stocznia Gdańska

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

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

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat Dished Part Spherical Material SM Steel Actual Min Tensile strength 470 kgs/mm<sup>2</sup> Thickness 12mms

Dia. 1030 mms Description of Furnace: Plain, spherical, or dished crown - Material -

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

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

Clearance 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 -

Dia. 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 -

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

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

Does each alternate tube in outer vertical rows a stay tube -

Clearance between Stay Tubes to Combustion Chamber Tops: Material - Tensile strength -

Thickness and thickness of girder at centre - Length as per Rule -

Clearance 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 351x451mms Section of compensating ring 90x22mms No. of rivets and dia  
 of rivet holes None. EL. Welded 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,

*[Signature]*

Manufac

Dates of Survey while building { During progress of work in shops - - 15, 16, 20, 30.4.1963 Is the approved plan of boiler forwarded herewith 26.10.61  
 (If not state date of approval.)  
 { During erection on board vessel - - - 29.12.1963; 15.2.1964 Total No. of visits 6

Is this Boiler a duplicate of a previous case. yes If so, state Vessel's name and Report No. M.V. "KOLEJARZ" FEM 074

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) The Steam Receiver described herein  
 has been constructed under Special Survey, in accordance with Society's Rules, Secretary's let  
 and approved plans. The materials used and the workmanship are good. The Steam Receiver has be  
 installed on board the "FRANCESCO NULLO". The Safety valve was adjusted, under Steam to open  
 at 7 kgs/cm<sup>2</sup>.

The compression ring distance is : 11,6 mms

It is submitted this Steam Receiver is eligible for the Classification with the Society.

Survey Fee £ 630. - 12-10% = £ 10.15. When applied for 31.1. 19 64  
 Travelling Expenses (if any) £ : : When received 12.3. 19 64  
 (z1. amount only)

29 MAY 1964

FRIDAY 19 JUN 1964

*[Signature]*

M. Chuchla  
Engineer Surveyor to Lloyd's Register of Shipping

Date \_\_\_\_\_  
Committee's Minute *See Rps 46*