

REPORT ON BOILERS.

Received at London Office 9 MAY 1963

Date of writing Report 21-4-64 19... When handed in at Local Office... 19... Port of Gdańsk

Survey held at Gdańsk & Gdynia Date, First Survey 8th Apr. 1963 Last Survey 15th Feb. 19 64

Book No. 111 on the M.V. "FRANCESCO NUILLO" (Number of Visits 9) Tons { Gross 6600 Net -

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

Engines made at Poznań By whom made H.Cegielski-Sulzer Engine No. 001 When made 1963

Boilers made at Gdańsk By whom made Stocznia Gdańska Boiler No. 2071 When made 1963

Owners Polish Government Port belonging to Gdańsk

VERTICAL BOILER.

Boiler made at Gdańsk By whom made Stocznia Gdańska Boiler No. 2071 When made 1963 Where fixed ER. Port

Manufacturers of Steel Huta Batory, Huta Jedność, Huta Nowotko, Düsseldorf Stahl Werkr

Total Heating Surface of each Boiler 42.5 m.sq. Is forced draught fitted yes Coal or Oil fired oil fired

Name and Description of Boilers One, vertical, water tube, Haystack type, Oil fired Working Pressure 7kgs/cm²

Tested by hydraulic pressure to 14kgs/cm² Date of test 11th May, 1963 No. of Certificate GDK 099

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

Area of each set of valves per boiler { per Rule 1605mm.sq. as fitted 3920mm.sq. Pressure to which they are adjusted 7Kgs/cm² Are they fitted with easing gear yes

Whether steam from main boilers can enter the donkey boiler no Main Boilers Smallest distance between boiler or uptake and bunkers woodwork -

Is oil fuel carried in the double bottom under boiler no Smallest distance between base of boiler and tank top plating 650 mms

Is the base of the boiler insulated - Largest internal dia. of boiler 1776mms Height 3520mms

Shell plates: Material S.M. Steel Actual Min. Tensile strength 45.2kgs/mm² Thickness 12mm

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

Have all the requirements of the Rules for Class I vessels been complied with yes Description of riveting: circ. seams { end Lower SR Lap inter Upper FW

7. seams Fusion welded Dia. of rivet holes in { circ. seams Lower 17mms Pitch of rivets { 53, 3mms Thickness of butt straps { outer none inner none

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat dished part. Material SM Steel Tensile strength 46.5kgs/mm² Thickness 20mms

Radius 1545mms Description of Furnace: Plain, spherical, or dished crown Dished Crown Material SM. Steel

Actual Min. Tensile strength 45,5kgs/mm² Thickness 14mms External diameter { top 1259mms bottom 1550mms Length as per Rule 1100mms

Are stays fitted with nuts or riveted over none

Radius of spherical or dished furnace crown 1120 mms

Thickness of Ogee Ring Integral with Side Plate 14mms Diameter as per Rule { D 1476mms d 1284mms

Combustion Chamber: Material none Tensile strength - Thickness of top plate -

Thickness 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 Upper SM Steel Tensile strength { 28mms Thickness { 28mms All tubes acting as stays Mean pitch of stay tubes in nests 60x55mms

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

Each alternate tube in outer vertical rows a stay tube -

Boilers to Combustion Chamber Tops: Material S.M. Steel Tensile strength 45,5 kgs/mm²

Material and thickness of girder at corners 14x130mms x257& 14x 130 x 500 mms Length as per Rule Lower Tube Plate

Distance apart - No. and pitch of stays in each -

Crown Stays: Material None 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 STEEL External diameter { plain, 44,5mms stay, 44,5mms Thickness { 4mms 6mms

No. of threads per inch Tubes E.W. & expanded Pitch of tubes 60 x 55 mms
upper 405x305mms

Manhole Compensation: Size of opening in shell plate lower 429x329mms Section of compensating ring Lower 90x22mms No. of rivets and diam. at

of rivet holes F.W. Welded Outer row rivet pitch at ends - Depth of flange if manhole flanged Upper 80mms

Uptake: External diameter 444 mms Thickness of uptake plate 12mms

Cross Tubes: No. None External diameters { - Thickness of plates -

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with As applicable- Yes

The foregoing is a correct description,

[Signature]

Manufact

Dates of Survey while building { During progress of work in shops - - } 8, 15, 16, 20, 26.4; 11.5.1963 Is the approved plan of boiler forwarded herewith 18th Dec. 1963
 (If not state date of approval.)

{ During erection on board vessel - - - } 21.11; 23, 29.12.63 Total No. of visits 9

Is this Boiler a duplicate of a previous case - If so, state Vessel's name and Report No. -

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The Vertical Haystack- type oil fired Auxiliary Boiler reported herein has been constructed at Gdansk Shipyard in accordance with the Rule requirements, Secretary's letter and approved plans.

The materials used and the workmanship are good. The Boiler has been installed on board the M.V. "FRANCESCO NULLO". The accumulation test was carried out with satisfactory results, Safety valves adjusted under steam pressure to open at 7 kgs/cm².

Compression ring distances corresponding

above adjustment are:-

FOR'D- 10,8 mms Aft 9,2 mms

It is submitted that this Boiler is eligible for Classification with the Society.

Constrⁿ. zł 1.260.- & £ 24-10% = £ 21.10.0

Blr. welding Survey Fee zł 4.20.- & £ 8 -10% = £ 7.5.0 When applied for 31.1. 19 64

Travelling Expenses (if any) £ : : When received 12.3. 19 64
 (zł amount only)

29 MAY 1964

[Signature]

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

Date See rpt 46
 Committee's Minute



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