

## REPORT ON BOILERS.

No. FEM 076

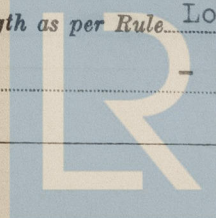
Received at London Office

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. 1964  
 Book 111 on the M.V. "FRANCESCO NUILLO" (Number of Visits 9) Tons 6600  
   Gross    Net     
 Made at Gdynia By whom built Stocznia im. Komuny Paryskiej Yard No. B41/1 When built 1963  
 Lines 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.

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  
 and Description of Boilers One, vertical, water tube, Haystack type, Oil fired Working Pressure 7kgs/cm<sup>2</sup>  
 Tested by hydraulic pressure to 14kgs/cm<sup>2</sup> 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. Pressure to which they are adjusted 7Kgs/cm<sup>2</sup> Are they fitted with easing gear yes  
 { as fitted 3920mm.sq.  
 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/mm<sup>2</sup> 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  
7. seams Fusion welded Dia. of rivet holes in { circ. seams Lower 17mms Pitch of rivets { 53, 3mms Thickness of butt straps { outer none  
 { long. seams F.W. { - { inner none  
 Dished part.  
 Shell Crown: Whether complete hemisphere, dished partial spherical, or flat spherical Material SM Steel Tensile strength 46.5kgs/mm<sup>2</sup> Thickness 20mms  
 Dia. 1545mms Description of Furnace: Plain, spherical, or dished crown Dished Crown Material SM. Steel  
 Actual Min. Tensile strength 45.5kgs/mm<sup>2</sup> Thickness 14mms External diameter { top 1259mms Length as per Rule 1100mms  
 { bottom 1550mms  
 Pitch of support stays circumferentially none and vertically none Are stays fitted with nuts or riveted over none  
 Diameter of stays over thread - 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 -  
 Upper SM Steel  
 Shell Plates: Material { Lower SM Steel Tensile strength { 28mms All tubes acting as stays  
 { 28mms 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 -  
 { back - { 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/mm<sup>2</sup>  
 One adjacent to uptake opening in  
 Width and thickness of girder at ends 14x130mms x257& 14x 130 x 500 mms Length as per Rule Lower Tube Plate  
 Spacing apart - No. and pitch of stays in each -

Lloyd's Register  
Foundation



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 44,5mm stay 44,5mm } Thickness { 4mm 6mm }  
No. of threads per inch Tubes E.W. & expanded Pitch of tubes 60 x 55 mm  
Manhole Compensation: Size of opening in shell plate upper 405x305mm Section of compensating ring Lower 90x22mm No. of rivets and diam Upper 80mm  
of rivet holes F.W. Welded Outer row rivet pitch at ends - Depth of flange if manhole flanged Upper 80mm  
Uptake: External diameter 444 mm Thickness of uptake plate 12mm  
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,

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, a  
Safety valves adjusted under steam pressure to open at 7 kgs/cm<sup>2</sup>.

Compression ring distances corresponding

above adjustment are:-

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

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

Constr<sup>n</sup>. zł 1.260.- & £ 24-10% = £ 21.10.0

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

Survey Fee zł 4.20.- & £ 8 -10% = £ 7.5.0 When received 12.3. 19 64  
Travelling Expenses (if any) £ : : zł amount only

Date

Committee's Minute

See Lpt 46

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



© 2021

Lloyd's Register  
Foundation