

# REPORT ON WATER TUBE BOILERS.

Date of writing Report 25-2-1962 When handed in at Local Office 19 Received at London Office 19  
 No. in Survey held at Gdansk Port of Gdansk  
 Reg. Book. M.T. "BALACLAVA" Date, First Survey 25 May 1961 Last Survey 16 Feb. 1962  
 on the M.T. "BALACLAVA" (Number of Visits 19)  
 Built at Gdansk By whom built Stocznia Gdanska Yard No. B70/001 Tons 13269.91  
 Engines made at Poznań By whom made H. Cegielski When built 1961  
 Boilers made at Gdansk By whom made Stocznia Gdanska Engine No. 006 When made 1960-10  
 HS 190m<sup>2</sup> Owners U.S.S.R. Government Boiler No. 1681 When made 1960  
 ECONOMISER Port belonging to RIGA

**WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.**—Manufacturers of Steel Huta Jedność ; Huta Batory- Poland

Date of Approval of plan 31.12.59 Working Pressure 12kg/cm<sup>2</sup> Tested by Hydraulic Pressure to 22.5kg/cm<sup>2</sup> No. and Description or Type of Boilers one "La-Mont"-Vert. Ex-Gas. Date of Test 31.5.61

No. of Certificate GDK 084 Can each boiler be worked separately - Total Heating Surface of Boilers 190m<sup>2</sup> Superheaters -  
 Half Economisers none Is forced draught fitted no Area of Fire Grate (coal) in each Boiler none

No. and type of burners (oil) in each boiler none— Exhaust Gas only  
 Economiser One-Twin improved high lift No. and description of safety valves on each boiler per rule 2140 mm<sup>2</sup>  
are adjusted 12.5 kg/cm<sup>2</sup> Area of each set of valves per boiler as fitted 3920 mm<sup>2</sup> Pressure to which they are adjusted 12.5 kg/cm<sup>2</sup> Are they fitted with easing gear yes

In case of donkey boilers state whether steam from main boilers can enter the donkey boiler - Smallest distance between boilers or uptakes and bunkers or woodwork approx. 2350x1980mm Height of boiler 3400 mm

Width and length approx. 2350x1980mm Steam Drums:—Number in each boiler none Inside diameter -  
 Thickness of plates - Range of tensile strength - Are drum 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 - long. seams -  
 Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Percentage strength of shell in way of tubes - Steam Drum Heads or Ends:—Range of tensile strength -  
 Thickness of plates - Radius or how stayed - Size of manhole or handhole - Water Drums:—Number in each boiler - Inside diameter - Thickness of plates - Range of tensile strength - Are drum 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 - long. seams -  
 Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Percentage strength of drum shell in way of tubes - Water Drum Heads or Ends:—Range of tensile strength -  
 Thickness of plates - Radius or how stayed - Size of manhole or handhole - Tested by hydraulic pressure to 22.5kgs/sq.cm

Headers or Sections:—Number two Material steel Thickness 6mm Number 12 Steam Dome or Collector:—Description of joint to shell - Inside diameter - Thickness of shell plates - Range of tensile strength - Description of longitudinal joint - If fusion welded, state name of welding firm - Have all the requirements for the Rules for Class I vessels been complied with - Diameter of rivet holes -

Pitch of rivets - Thickness of straps - Percentage strength of long. joint - plate - rivet -  
 Crown or End Plates:—Range of tensile strength - Thickness - Radius or how stayed -

**SUPERHEATER, Drums or Headers:**—Number in each boiler none Inside diameter -  
 Thickness - Material - Range of tensile strength - Are drum 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 - long. seams -  
 Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of drum shell in way of tubes -

Drum Heads or Ends:—Thickness - Range of tensile strength -  
 Radius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -

Tested by hydraulic pressure to - Date of test - Is a safety valve fitted to each section of the superheater which can be shut off from the boiler - No. and description of safety valves - Area of each set of valves - Pressure to which they are adjusted - Is easing gear fitted -

Spare Gear. Has the spare gear required by the Rules been supplied yes

Dates of Survey 25, 27, 31 May 1961 During progress of work in shops -  
 while building See Mach'y Report During erection on board vessel -

Is the approved plan of boiler forwarded herewith Yes  
 Total No. of visits -

Is this boiler a duplicate of a previous case no If so, state vessel's name and report No. -

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) The "La-Mont" Vertical exhaust Gas economiser described herein has been manufactured under Special Survey in accordance with the approved plans and Secretary's letters. The workmanship and materials are of good quality. The economiser is, in my opinion, eligible for classification.

Survey Fee zł 790.- & £ 15.- When applied for 31.1. 19 62 SV Compression rings: PS- 6,2mm. Stbds -5,4mm  
 Travelling Expenses (if any) £ 13.10.- When received 19

Date FRIDAY 27 APR 1962  
 G. Manson & M. Chuchla  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute See Mach'y Report

Lloyd's Register Foundation