

REPORT ON WATER TUBE BOILERS.

Economiser

13. MAR. 1962

No. F.E.M. 060

Date of writing Report 25-2-1962 When handed in at Local Office 19 Port of Gdansk
 No. in Survey held at Gdansk
 Reg. Book. M.T. "BALACLAVA"
 on the
 Built at Gdansk By whom built Stocznia Gdanska Yard No. B70/001
 Engines made at Poznan By whom made H. Cegielski Engine No. 006
 Boilers made at Gdansk By whom made Stocznia Gdanska Economiser No. 1681
 HS for Register Book 190m² Owners U.S.S.R. Government Port belonging to RIGA
 (Number of Visits) Gross 13269.91 Net 8670.18
 When built 1961
 When made 1960-10
 When made 1960

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY—Manufacturers of Steel Huta Jedność; Huta Batory—Poland
 Date of Approval of plan 31.12.59
 Economiser
 of Boilers one "La-Mont"—Vert. Ex-Gas.

No. of Certificate GDK 084 Can each boiler be worked separately. — Working Pressure 12kg/cm² Tested by Hydraulic Pressure to 22.5kg/cm² Date of Test 31.5.61
 Half Economisers none Is forced draught fitted no Total Heating Surface of Boilers 190m² Superheaters —

No. and type of burners (oil) in each boiler none— Exhaust Gas only
 Economiser
 each boiler One-Twin improved high lift

are adjusted 12.5 kg/cm² Area of each set of valves per boiler } per rule 2140 mm²
 as fitted 3920 mm² Pressure to which they

the donkey boiler. — Are they fitted with easing gear. yes In case of donkey boilers state whether steam from main boilers can enter Economiser
 Width and length approx. 2350x1980mm Smallest distance between boilers or uptakes and bunkers or woodwork. — Height of boiler 3400 mm

Thickness of plates. — Range of tensile strength. — Inside diameter. —
 or flanged. — If fusion welded, state name of welding firm. — Are drum shell plates welded

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. —

Headers or Sections:—Number two Material steel Thickness 6mm Tested by hydraulic pressure to 22.5kgs/sq.cm
 Tubes:—Diameter 32mm Thickness 3mm Number 12

joint to shell. — Inside diameter. — Thickness of shell plates. — Steam Dome or Collector:—Description of
 strength. — Description of longitudinal joint. — Range of tensile

firm. — Have all the requirements for the Rules for Class I vessels been complied with. — If fusion welded, state name of welding
 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

The foregoing is a correct description,
 Manufacturer.

Is the approved plan of boiler forwarded herewith. Yes.

Total No. of visits.

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

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 £ 790.- & £ 15.-
 Travelling Expenses (if any) £ 710.- & £ 13.10.-
 When applied for 31.1.1962
 When received 19

SV Compression rings:
 PS- 6,2mm. Stbds -5,4mm

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

Date FRIDAY 27 APR 1962

Committee's Minute

012824-012835-0047