

# REPORT ON WATER TUBE BOILERS.

No. 6597

Primary Circuit.

Received at London Office

20 JUN 1958

Report 5. 6. 58 When handed in at Local Office 19

Port of Shanghai Date, First Survey 5. 2. 58 Last Survey 30. 5. 58

Survey held at Shanghai (Number of Visits 19) Gross Tons

on the S.S. Yard No 220 By whom built Industrijske Ujank 220 Yard No. 220 When built

made at Shanghai By whom made Messner Eisenwerk Engine No. When made 1958

Boiler No. 5968/09 When made 1958

Register Book 2x 3000, 3000 Owners Port belonging to

TUBE BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel Rudolf A.G. Schwerindustrie +

Approval of plan 11. 9. 57, 25. 9. 57, 23. 12. 57, 15. 11. 57 No. and Description or Type Manusmann Bohrenwerk and

2x Indirect Evaporation Boilers Working Pressure 50 kg/cm<sup>2</sup> Tested by Hydraulic Pressure to 78.5 kg/cm<sup>2</sup> Date of Test 2. 5. 58

Can each boiler be worked separately yes Heating Surface of Boilers 2x 2367.2 Superheaters none

Is forced draught fitted yes Area of Fire Grate (coal) in each Boiler Primary Circuit oil fired

Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter

Smallest distance between boilers or uptakes and bunkers or woodwork 1 Height of boiler 6755 mm

Steam Drums:—Number in each boiler one Inside diameter 900 mm

Range of tensile strength 55.8 kg/mm Are drum shell plates welded

welded If fusion welded, state name of welding firm Rudolf A.G. Schwerindustrie Have all the requirements of the Rules

Description of riveting:—Circ. seams 1 long. seams 1

Pitch of rivets 1 Thickness of straps 1 Percentage strength of

Diameter of tube holes in drum 32 mm Pitch of tube holes 58 mm

Steam Drum Heads or Ends:—Range of tensile strength 54 kg/cm<sup>2</sup>

Water Drums:—Number 2

Are drum shell plates welded 1

Water Drum Heads or Ends:—Range of tensile strength 55.5 kg/cm<sup>2</sup>

Material SM-Steel Thickness 480 mm Size of manhole or handhole 300 x 400 mm

Number one Tested by hydraulic pressure to 78.5 kg/cm<sup>2</sup>

Steam Dome or Collector:—Description of 196 + 372 (all 568)

Range of tensile 221 + 497 = 713

Have all the requirements for the Rules for Class I vessels been complied with 1 Diameter of rivet holes 1

Thickness of straps 1 Percentage strength of long. joint 1 plate 1 rivet 1

Radius or how stayed 1

HEATER, Drums or Headers:—Number in each boiler none Inside diameter 1

Material 1 Range of tensile strength 1 Are drum shell plates welded 1

If fusion welded, state name of welding firm 1 Have all the requirements of the Rules 1

Description of riveting:—Circ. seams 1 long. seams 1

Pitch of rivets 1 Thickness of straps 1 Percentage strength of

Diameter of tube holes in drum 1 Pitch of tube holes 1 Percentage strength of

Drum Heads or Ends:—Thickness 1 Range of tensile strength 1

Number, diameter, and thickness of tubes 1

Is a safety valve fitted to each section of the superheater which

Area of each set 1

Is easing gear fitted 1

Pressure to which they are adjusted 1

Has the spare gear required by the Rules been supplied yes

The foregoing is a correct description, W. O. Pahlmann Manufacturer.

Is the approved plan of boiler forwarded herewith 1

Total No. of visits will be sent with the last boilers

Boiler a duplicate of a previous case no If so, state vessel's name and report No. 1

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This Primary Circuit has been built

for special survey in conformity with the Society's Rules and Regulations, the approved

plans and the Secretary's letters. The material and workmanship are good. The circuit

has been hydraulically tested on completion and found sound and tight and on completion

selection submitted to the Secretary's Office.

Survey Fee ... £ ... When applied for 19

Travelling Expenses (if any) £ ... When received 19

Date FRIDAY 10 JUL 1959

Engineer Surveyor to Lloyd's Register of Shipping

These boilers have been satisfactorily installed in the

ship "OSTRAVA" safety valves adjusted under steam and

accumulation test carried out on completion with

satisfactory results.

W. O. Pahlmann

2/7/59

Lloyd's Register of Shipping

Prague

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