

REPORT ON WATER TUBE BOILERS.

ECONOMISER

No. F.E.M.084

Received at London Office

Date of writing Report 26.9.1964 When handed in at Local Office 26.9.1964 Port of Gdańsk

No. in Survey held at Gdańsk and Szczecin Date, First Survey 19 Last Survey 19

Reg. Book. M.V. "JOHANNES LATUHARHARY" (Number of Visits) Tons } Gross Net

Built at Szczecin-Poland By whom built St. Szczecińska Yard No. B 454/6 When built 1964

Engines made at Gdańsk By whom made Stocznia Gdańska Engine No. When made 6-1963

Boilers made at Gdańsk By whom made Stocznia Gdańska Boiler No. 2072 When made 6-1963

HS for Register Book Owners Indonesian Government Port belonging to Djakarta

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

Date of Approval of plan 20-5-1960 Working Pressure 7kgs/cm² Tested by Hydraulic Pressure to 14kgs/cm² No. and Description or Type 6.6.63

of Boilers One- Vertical Exhaust Heat Economiser Total Heating Surface of Boilers Superheaters No

No. of Certificate GDK 100 Can each boiler be worked separately Area of Fire Grate (coal) in each Boiler None Exhaust heat only

Half Economisers No Is forced draught fitted No. and description of safety valves on

each boiler one-twin-improved lift type Area of each set of valves per boiler { per rule 2570mm² Pressure to which they as fitted 3920mm²

are adjusted 7 1/2 kgs/cm² Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter Economiser

the donkey boiler yes Smallest distance between boilers or uptakes and bunkers or woodwork none adjacent Height of boiler 3850mm

Width and length 2340 x 2140mm 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 14kgs/cm²

Headers or Sections:—Number two Material SM Steel Thickness 6mm Number 21 Steam Dome or Collector:—Description of

Tubes:—Diameter 32mm Thickness 3mm Number Thickness of shell plates Range of tensile

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

The foregoing is a correct description,

[Signature]

Manufacturer.

20-5-60

Is the approved plan of boiler forwarded herewith

Total No. of visits

Dates of Survey 20,22.05; 6.06.1963
During progress of work in shops
while building
During erection on board vessel

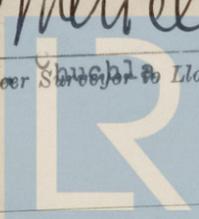
Is this boiler a duplicate of a previous case Yes If so, state vessel's name and report No. FEM 071 "HADJI AGUS SALIM"

GENERAL REMARKS (State quality of workmanship, opinions as to class, etc.) The La mont Exhaust heat Economiser described herein has been constructed under Special Survey and in accordance with the Rules, approved plans and Secretary's letters. The materials used, and the workmanship are of good quality. The Economiser has been efficiently installed on board the M.V. JOHANNES LATUHARHARY Stbd 13,8mm Port 14,8mm

Survey Fee £ 6.10.0 - 10% = £ 5.15.0 When applied for 19
Travelling Expenses (if any) £ 350.- When received 19

Date
Committee's Minute See Rpt. 1.

[Signature]
Engineer Surveyor



Lloyd's Register Foundation

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