

Rpt. 5c.

J.H.F.

## REPORT ON WATER TUBE BOILERS.

No. 49417

Received at London Office

26 MAY 1960

Date of writing Report 4th March, 1960

When handed in at Local Office

19

Port of ROTTERDAM

No. in Survey held at FLUSHING

Date, First Survey 14-8-1959

Last Survey 2-3-1960

Reg. Book.

(Number of Visits 5)

(Gross.....)

(Net.....)

on the

Built at Flushing

By whom built Kon. Mij. "De Schelde" NV Yard No. 298

When built

Engines made at Flushing

By whom made Kon. Mij. "De Schelde" NV Engine No. 898

When made

Boilers made at Flushing

By whom made Kon. Mij. "De Schelde" NV Boiler No. 441

When made 1959

HS for Register Book 1776 sq. ft.

Owners

Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Headers: Mannesmann Rohre Werke  
Coils: Stahl & Rohren Werke Reisholz

Date of Approval of plan 2-1-1957

No. and Description or Type

of Boilers one LaMont Exhaust Gas

Working Pressure 9 kg/cm<sup>2</sup> Tested by Hydraulic Pressure to 17 kg/cm<sup>2</sup> Date of Test 1-9-1959

No. of Certificate 1331

Can each boiler be worked separately

Total Heating Surface of Boilers 1776 sq. ft. Superheaters

Half Economisers

Is forced draught fitted

Area of Fire Grate (coal) in each Boiler

No. and type of burners (oil) in each boiler

No. and description of safety valves on

each boiler 2 high lift spring loaded

Dia. of each set of valves per boiler

per rule

as fitted 60 mm.

Pressure to which they

are adjusted 9 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

Width and length

Smallest distance between boilers or uptakes and bunkers or woodwork

Height of boiler

Thickness of plates

Steam Drums:—Number in each boiler

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 2

Material S.M. Steel

Thickness 191x10 mm.

Tested by hydraulic pressure to 17 kg/cm<sup>2</sup>

Tubes:—Diameter 38 mm.

Thickness 4 mm.

Number 22 coils

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

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,

Manufacturer.

Dates of Survey During progress of work in shops 1959: 14-8, 20-8, 1-9,

Is the approved plan of boiler forwarded herewith

while building During erection on board vessel 1959: 9-12, 2-3-60

Total No. of visits 5

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, &amp;c. This boiler has been constructed and fitted under Special Survey in accordance with the approved plan, Secretary's letters and Society's Rules. Materials used tested as required and the workmanship found good. On completion the safety valves adjusted under steam

washers S. 21.4 mm.

P. 22.9 mm.

Survey Fee ... £ 238.-

When applied for 19

Travelling Expenses (if any) £ 9.-

When received 19

Date

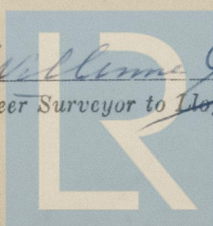
FRIDAY 24 JUN 1960

Committee's

Minute

See Rpt 4b

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
Foundation

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