

REPORT ON WATER TUBE BOILERS.

No. 126380

Date of writing Report

19

When handed in at Local Office

19

Received at London Office

7 JAN 1948

Port of

LIVERPOOL

No. in
Reg. Bk.

Survey held at

Birkenhead

Date, First Survey

Last Survey

19

on the S.S. "TRESUS" & "LAUREL HILL"

(Number of Visits)

Gross 19,449

Tons Net 6301

Master

Built at

Portland Oreg.

By whom built

Kaiser - Bo yard 1928

When built

1944/11

Engines made at

U.S.A.

By whom made

G.E.C. Eng: no 68244

When made

no 2663 (S) 1944/8

Boilers made at

Tennessee

By whom made

Combustion Engine Co

When made

no 2665 (S) 1944/7

Registered Horse Power

6800 BHP

Owners

Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.

(Letter for Record) Date of Approval of plan

of Boilers

2 Sectional Header

Working Pressure

450 lbs

Tested by Hydraulic Pressure to

Number and Description or Type

750 assembled 3/44

No. of Certificate

217776

Can each boiler be worked separately

Yes

Total Heating Surface of Boilers

4934 sq ft

Is forced draught fitted

Yes

Area of fire grate (coal) in each Boiler

Total grate area of boilers in vessel including

Main and Auxiliary

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

4 - Jodds

each boiler

2 - 200000 BTU

Area of each valve

2 1/2" - 4.91" 2 1/2" - 1.76"

No. and description of safety valves on

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

Affix 3/8"

Height of Boiler

21'0"

Width and Length

11'0" x 17'6"

Steam Drums:—Number in each boiler

1

Inside diameter

3'5 1/2"

Material of plates

steel

Thickness

3/16" 1/32"

Range of Tensile Strength

70,000 lbs

Are drum shell plates welded or flanged

Welded

Description of riveting:—

Cir. seams

long. seams

Diameter of rivet holes in long. seams

Pitch of Rivets

Lap of plate or width of butt straps

Thickness of straps

Percentage strength of long. joint:—Plate

Rivet

Diameter of tube holes in drum

4 1/2"

Pitch of tube holes

7"

Percentage strength of shell in way of tubes

42.8

If Drum has a flat side state method of staying

Yes

Depth and thickness of girders at centre

(if fitted)

Distance apart

Number and pitch of stays in each

Working pressure

by rules

Steam Drum Heads or Ends:—Material

Steel

Thickness

1 1/2"

Radius or how stayed

Size of Manhole or Handhole

12" x 16"

Water Drums:—Number in each boiler

5

Inside Diameter

5'4" x 5'4"

Material of plates

Steel

Thickness

3/16"

Range of tensile strength

Are drum shell plates welded

or flanged

Solid Drum

Description of riveting:—Cir. seams

long. seams

Diameter of Rivet Holes in

long. seams

Pitch of rivets

Lap of plates or width of butt straps

Thickness of straps

Percentage strength of long. joint:—Plate

Rivet

Diameter of tube holes in drum

4 1/2"

Pitch of tube holes

6 1/2"

Percentage strength of drum shell in way of tubes

Radius or how stayed

Size of manhole or handhole

Headers or Sections:—Number

Thickness

Material

Steel

Thickness

7/16"

Tested by Hydraulic Pressure to

750 lbs

Material of Stays

Area at smallest part

13' - 10' - 6" G.

Area supported by each stay

Number

1148, 58.60

Working Pressure by Rules

Tubes:—Diameter

1 1/2" - 2 1/4"

Percentage strength of Joint

Description of longitudinal joint

S.D.

Diameter of Rivet Holes

Pitch of Rivets

Working Pressure of shell

Rules

Crown or End Plates:—Material

Steel

Thickness

1 1/2"

How stayed

SUPERHEATER.

Type

Date of Approval of Plan

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

Diameter of Safety Valve

1 1/2"

Pressure to which each is adjusted

460 lbs

Is easing gear fitted

Yes

Is a drain cock or valve fitted at lowest point of superheater

Yes

Number, diameter, and thickness of tubes

145 1 1/2" 11.6.

Super Gear.

Tubes

Gaskets or joints:—Manhole

Handhole

Handhole plates

H.S. per boiler = 4934 #

Total = 11354 # for 2 lbs.

The foregoing is a correct description,

Manufacturer.

Dates

Survey

While

Loading

During progress of work in shops - -

During erection on board vessel - - -

Is the approved plan of boiler forwarded herewith

Total No. of visits

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.)

For the information of the Committee.

Survey Fee

Travelling Expenses (if any) £

When applied for,

19

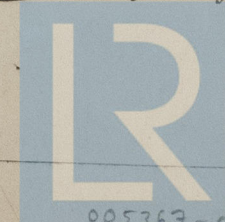
When received,

19

Committee's Minute

Signed Vee Minute or Machinery Report

Engineer Surveyor to Lloyd's Register of Shipping.



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