

REPORT ON WATER TUBE BOILERS.

No. 55309^A

16 JAN 1935

Received at London Office

Writing Report

Dec 18

1934

When handed in at Local Office

8

1

1935

Port of

Glasgow

in
Bk.

Survey held at

Renfrew.

Date, First Survey

9/3/34

Last Survey

24/12/34

Number of Visits

29

Gross

Tons

Net

on the

Boiler no 1289 (Smaller type)

Built at

Barrow.

By whom built

Vickers Armstrongs Ltd

When built

Made at

By whom made

When made

Made at

Renfrew.

By whom made

Babcock Wilcox Ltd

When made

1934.

Registered Horse Power

Owners

Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

Colville & Sons & Lams S. Co.

For Record

Date of Approval of plan

2/3/34, 22/3/34, 24/4/34, 1/6/34

Number and Description or Type

Boilers 2 Babcock Wilcox Type

Working Pressure

450 lb

Tested by Hydraulic Pressure to

Date of Test

of Certificate NOT COMPLETED. Can each boiler be worked separately.

Total Heating Surface of Boilers

7170 sq ft

Fitted draught fitted

Yes

Area of fire grate (coal) in each Boiler

Total grate area of boilers in vessel including

and Auxiliary

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

No. and description of safety valves on

boiler

Area of each valve

Pressure to which they are adjusted

450

they fitted with easing gear

Yes

In case of donkey boilers state whether steam from main boilers can enter the donkey boiler

Least distance between boilers or uptakes and bunkers or woodwork

Height of Boiler

Width and Length

in Drums:—Number in each boiler

Inside diameter

Material of plates

Thickness

ge of Tensile Strength

28/32

Are drum shell plates welded or flanged

Description of riveting:—

seams

Yes

long. seams

Solid joining

Diameter of rivet holes in long. seams

Pitch of Rivets

of plate or width of butt straps

Thickness of straps

Percentage strength of long. joint:—Plate

Rivet

meter of tube holes in drum

4 1/8"

Pitch of tube holes

Percentage strength of shell in way of tubes

Drum has a flat side state method of staying

Depth and thickness of girders at centre

fitted)

Distance apart

Number and pitch of stays in each

Working pressure

rules

Steam Drum Heads or Ends:—Material

Steel

Thickness

1 1/16"

Radius or how stayed

3'0"

of Manhole or Handhole

15" x 11"

Material of plates

Steel S.D.

Thickness

3/4" nominal

Range of tensile strength

26/30 Ton

Inside Diameter

6" x 6' Sq

flanged

Description of riveting:—Cir. seams

long. seams

Diameter of Rivet Holes in

seams

Pitch of rivets

Lap of plates or width of butt straps

Thickness of straps

centage strength of long. joint:—Plate

Rivet

Diameter of tube holes in drum

Pitch of tube holes

centage strength of drum shell in way of tubes

Water Drum Heads or Ends:—Material

Thickness

lius or how stayed

Size of manhole or handhole

Headers or Sections:—Number

120

Material

Steel S.D.

Thickness

7/16" nominal

Tested by Hydraulic Pressure to

Material of Stays

a at smallest part

Area supported by each stay

Working Pressure by Rules

450 lb

Tubes:—Diameter

1 1/16"

ckness

7 x 9 1/2"

Number

700

Steam Dome or Collector:—Description of Joint to Shell

centage strength of Joint

Diameter

Thickness of shell plates

Material

escription of longitudinal joint

Diameter of Rivet Holes

Pitch of Rivets

Working Pressure of shell

Rules

Crown or End Plates:—Material

Thickness

How stayed

ERHEATER.

Type

B + W

Date of Approval of Plan

11/6/34

Tested by Hydraulic Pressure to

725 lb

e of Test

Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler

meter of Safety Valve

Pressure to which each is adjusted

Is easing gear fitted

a drain cock or valve fitted at lowest point of superheater

Number, diameter, and thickness of tubes

are Gear.

Tubes

Gaskets or joints:—Manhole

Handhole

Handhole plates

The foregoing is a correct description,

Babcock & Wilcox, Ltd. Manufacturer.

Dates } During progress of
Survey } work in shops - -
while } During erection on
loading } board vessel - -

See Accompanying Report No 55309

Is the approved plan of boiler forwarded herewith

Yes

Total No. of visits

29

GENERAL REMARKS

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

These boiler parts have been built under Special Survey, to approved plans, in accordance with the Society's Rules. Materials and workmanship are good. They have been forwarded to Mr Vickers-Armstrongs for completion of boilers and fitting in their No 694

Survey Fee

£

When applied for,

191

Travelling Expenses (if any) £

When received,

191

H. Sutherland

Engineer, Surveyor to Lloyd's Register of Shipping.

FRI, 9 AUG 1935

Committee's Minute GLASGOW 15 JAN 1935

Assigned TRANSMIT TO LONDON

004285 - 004291 - 0082