

## REPORT ON WATER TUBE BOILERS.

No. 5217

211 AUG 1954

Received at London Office

Date of writing Report 8th July 1954. When handed in at Local Office

19

Port of NAPLES (PALERMO)

No. in Survey held at PALERMO

Date, First Survey 27/11/53

Last Survey 19/5/54

10

Reg. Bk. 5570. on the S/S "CONCA D'ORO"

(Number of Visits 12.)

Tons { Gross 12869.38

Net 7679.90

Built at PALERMO

By whom built CANTIERI NAVALI RIUNITI

When built

1954

Engines made at RIVA TRIGOSO

By whom made CANTIERI DEL TIRRENO

When made

1954

Boilers made at CARTERET N.J. &amp; PALERMO

By whom made FOSTER WHEELER &amp; CANT. NAV. RIUNITI

When made

1954

Nominal Horse Power 2,000.

Owners "SICILIA" Soc. di Navigazione per Azioni.

Port belonging to

PALERMO

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel SHELL: LUKENS; HEADS: CLAYMONT

Date of Approval of plan JULY 1st 1952

Number and Description or Type

of Boilers Two FOSTER WHEELER "D" Type

Working Pressure 675 Lbs

Tested by Hydraulic Pressure to 1063 Lbs

Date of Test

Aug. 7. 17

No. of Certificate B 5090 1&amp;2

Can each boiler be worked separately

YES

Total Heating Surface of Boilers 21140 sq Ft

Is forced draught fitted

YES

Area of fire grate (coal) in each Boiler

No. and description of safety valves on

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

4 TODD TYPE

each boiler TWO I.H.L. CROSBY TYPE at 2"

Area of each set of valves per boiler

per rule As approved

Pressure to which they

are adjusted 660 Lbs sq"

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

3 Ft.

Height of boiler 25 Ft.

Width and Length 18"-7"x15'-45"

Steam Drums:—Number in each boiler

ONE

Inside diameter

48"

Thickness of plates

1 3/16" WRAPPER

Range of Tensile Strength

70000 Lbs sq"

Min.

Are drum shell plates welded

or flanged WELDED

If fusion welded, state name of welding firm

FOSTER WHEELER CORP'

Have all the requirements of the rules

for Class I vessels been complied with

YES

Description of riveting:—Cir. 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

3.034"

Pitch of tube holes

1.875"

4.5"

Percentage strength of shell in way of tubes 31.3 &amp; 54.7

Steam Drum Heads or Ends:—Range of tensile strength

69000 Lbs sq" Min.

Thickness of plates

Plain 13/16"

Radius or how stayed

ELIPSOIDAL

Size of manhole or handhole

12"x16"

Water Drums:—Number

in each boiler

One

Inside Diameter

30.5"

Thickness of plates

2-5/16"

Range of tensile strength

70000 Lbs sq"

Are drum shell plates

welded or flanged

Welded

If fusion welded, state name of welding firm

FOSTER WHEELER CORP'

Have all the requirements of the rules

for Class I vessels been complied with

YES

Description of riveting:—Cir. seams

=

long. seam

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

3.034"

Pitch of tube holes

1.875"

4.5"

Percentage strength of drum shell in way of tubes 31.9 : 54.7

Water Drum Heads or Ends:—Range of Tensile strength

70000 Lbs sq" Min.

Thickness of plates

Plain 13/16"

Radius or how stayed

ELIPSOIDAL

Size of manhole or handhole

12"x16"

Are drum shell plates

welded or flanged

One

Inside Diameter

30.5"

Thickness of plates

2-5/16"

Range of tensile strength

70000 Lbs sq"

Are drum shell plates

welded or flanged

Welded

If fusion welded, state name of welding firm

FOSTER WHEELER CORP'

Have all the requirements of the rules

for Class I vessels been complied with

YES

Description of riveting:—Cir. seams

=

long. seam

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

3.034"

Pitch of tube holes

1.875"

4.5"

Percentage strength of drum shell in way of tubes 31.9 : 54.7

Water Drum Heads or Ends:—Range of Tensile strength

70000 Lbs sq" Min.

Thickness of plates

Plain 13/16"

Radius or how stayed

ELIPSOIDAL

Size of manhole or handhole

12"x16"

Are drum shell plates

welded or flanged

One

Inside Diameter

30.5"

Thickness of plates

2-5/16"

Range of tensile strength

70000 Lbs sq"

Are drum shell plates

welded or flanged

Welded

If fusion welded, state name of welding firm

FOSTER WHEELER CORP'

Have all the requirements of the rules

for Class I vessels been complied with

YES

Description of riveting:—Cir. seams

=

long. seam

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

3.034"

Pitch of tube holes

1.875"

4.5"

Percentage strength of drum shell in way of tubes 31.9 : 54.7

Water Drum Heads or Ends:—Range of Tensile strength

70000 Lbs sq" Min.

Thickness of plates

Plain 13/16"

Radius or how stayed

ELIPSOIDAL

Size of manhole or handhole

12"x16"

Are drum shell plates

welded or flanged

One

Inside Diameter

30.5"

Thickness of plates

2-5/16"

Range of tensile strength

70000 Lbs sq"

Are drum shell plates

welded or flanged

Welded

If fusion welded, state name of welding firm

FOSTER WHEELER CORP'

Have all the requirements of the rules

for Class I vessels been complied with

YES

Description of riveting:—Cir. 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

1.27"

Pitch of tube holes

1.78"

Percentage strength of

drum shell in way of tubes 32

Drum Heads or Ends:—

FLAT

Thickness 1.1"

Range of tensile strength

=

Radius or how stayed

=

Size of manhole or handhole 3 3/8"x2 3/4"

Number, diameter, and thickness of tubes 188 at 1 1/4"x0.105"

Tested by Hydraulic Pressure to 1063 Lbs sq"

Date of Test 11.12.53

Is a safety valve fitted

YES

No. and description of Safety Valves ONE I.H.L. CROSBY TYPE

Area of each set

of valves

1.767"

Pressure to which they are adjusted

610 Lbs sq"

Is easing gear fitted

YES

Spare Gear. Has the spare gear required by the rules been supplied

YES

The foregoing is a correct description,

CANTIERI E stabilimento MECCANICO DI PALERMO

Manufacturer.

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

27/11/53 to 19/5/54

Is the approved plan of boiler forwarded herewith

No

Total No. of visits 12.

Is this boiler a duplicate of a previous case YES

If so, state vessel's name "GIORGIO FASSIO"

GENERAL REMARKS (State quality of workmanship, opinions as to class, &amp;c.)

The Boilers have been constructed

under Special Survey in accordance with the approved plans and Rule Requirements. Workmanship and

materials are good. The Boilers have been efficiently installed on board the vessel, the safety

valves adjusted under steam. (see also N.Y. Rpt No 52814.)

Survey Fee ... £

When applied for,

10

Travelling Expenses (if any) £

When received,

10

FRIDAY 17 SEP 1954

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See Rpt. 4.

010284-010293-0361