

# REPORT ON BOILERS.

No. 58509

JUN 30 1937.

Writing Report

19

When handed in at Local Office

12. 6. 37

Port of

Received at London Office

Glasgow

Date, First Survey

14. 3. 37

Last Survey

8. 6. 1937

(Number of Visits

12)

Gross

6227

Net

3938

Survey held at

on the

Boiler No 13523

MV. PACIFIC TRADER

Built at

By whom built

When built

made at

By whom made

When made

Furness Withy & Co Ltd

Port belonging to

London

VERTICAL DONKEY BOILER—

No. 1

Description

Cochran

Manufacturers of steel

Cottrills & Co

By whom made

Cochran & Co Annan

When made

1937

Where fixed

In Engine Room

Working pressure

125

by hydraulic pressure to

238

Date of test

6. 3. 37

No. of Certificate

19965

Fire grate area

Description of safety valves

Cochran spring

of safety valves

2

Area of each

7. 6. 4"

Pressure to which they are adjusted

125 lb

If fitted with easing gear

yes

If steam from main boilers can

be used

yes

Thickness

3/4" - 7/8" - 2 1/2"

the donkey boiler

✓

Diameter of donkey

9' 0"

Length

21-6"

Material of shell plates

8

Whether punched or

drilled

✓

Description of riveting long. seams

DBS DR

e of tensile strength

28-32

Pitch of rivets

3-875, 3-375

Lap of plating

5 3/4"

Per centage of strength of joint

74.4

Working pressure of shell by

rules

132

Thickness of shell crown plates

1/6 - 1/8"

Radius of do.

4'-6"

ed

152

No. of stays to do.

10

Diameter of stays

✓

Diameter of

Top

Bottom

8'-0"

Length of furnace

✓

Thickness of furnace

plates

3/4"

ure of furnace by rules

131

Thickness of Ogee ring

1 1/8"

Working pressure of Ogee ring by rules

132

Thickness of furnace

plates

3/4"

Radius of do.

4'-0"

Stayed by

Transverse

Diameter of uptake

26" x 34"

n plates

5/8"

Thickness of tube plates

front 1 1/2"

back 1 1/2"

Mean pitch of stay tubes in nest

11.7"

Pitch in outer vertical rows

8 1/2"

meter of tube holes

FRONT

stay

2 1/16"

BACK

stay

ternal diameter

stay

2 1/2"

plain

2 9/16"

stay

11 1/32"

No. of threads per inch

9

Pitch of tubes

4 1/4" x 3 9/16"

Working pressure of tube plates by rules

F125 B130

Tubes: Material

Iron

king pressure by rules

125

Manhole compensation: Size of opening in shell plate

16" x 12"

Section of compensating

7" x 1 3/32"

No. of rivets and diameter of rivet holes

36 - 1 3/16"

Outer row pitch at ends

4 1/8"

FOR COCHRAN & CO., ANNAN, LTD.

The foregoing is a correct description.

W. J. H. W. J. H.

WORKS MANAGER.

22569

tes

During progress of

work in shops-

1937 Mar. 4. 23

Apr. 1. 8. 15. 22. 30

May 6. 11. 20

Drawing No.

22437

22569

During erection on

board vessel -

June 4. 8

Total No. of visits

12

Is the approved plan of boiler forwarded herewith

yes

rey

ile

ling

see Boiler No 13192

1936

Report No 57978

GENERAL REMARKS

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

The materials and workmanship are good.

The boiler has been constructed under special survey.

W. J. H. W. J. H.

Boiler is intended for Furness Withy "Pacific Trader"

The boiler has been recently fixed on board the vessel, safety valves adjusted

working pressure and accumulation test satisfactorily carried

M. Caldwell

Newcastle

Survey Fee

...

£ 4 : 4 :

When applied for

19

Travelling Expenses (if any)

£ :

When received

19

Committee's Minute

GLASGOW 29 JUN 1937

Assigned

TRANSMIT TO LONDON

MONTHLY ACCOUNT

Jas. S. Cairns

Engineer Surveyor to Lloyd's

See New Rpt

95810

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W234-0028