

REPORT ON WATER TUBE BOILERS.

No. 3194.

NEWCASTLE-ON-TYNE No. 105986

Received at London Office

Date of writing Report 9 July, 1948

When handed in at Local Office

26.7.1948

Port of BARROW.

29 JUL 1948

No. in Survey held at

BARROW.

Reg. Book

95136

on the

SHILLONG

Built at

Newcastle

By whom built

VICKERS-ARMSTRONGS, LTD.

Yard No. 104

When built

1948

Engines made at

BARROW.

By whom made

VICKERS-ARMSTRONGS, LTD.

Engine No. 955

When made

1948

Boilers made at

DO.

By whom made

DO.

Boiler No. 955

When made

1948

Nominal Horse Power

2880

Owners

Peninsular & Oriental Steam Nav. Co.

Port belonging to

LONDON

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel English Steel Corporation, Ltd.

Date of Approval of plan

7/1/46

of Boilers

2 Foster Wheeler

No. of Certificate

520/1

Is forced draught fitted

yes

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

5 INBOARD

each boiler

one 2" dia single full bore

are adjusted

—

the donkey boiler

—

Width and length

23' 0" x 16' 8"

Thickness of plates

1 3/8" to 3 1/8"

or flanged

welded

for Class I vessels been complied with

see Sheffield Report

Diameter of rivet holes in long. seams

—

long. joint:—Plate

—

Percentage strength of shell in way of tubes

35.5

Thickness of plates

1 3/8" to 5"

in each boiler

2

welded or flanged

welded

for Class I vessels been complied with

see Sheffield Report

Diameter of rivet holes in long. seams

—

Percentage strength of long. joint:—Plate

—

Percentage strength of drum shell in way of tubes

35.5

Thickness of plates

1 3/4" to 2 3/4"

Headers or Sections:—Number

3

Tubes:—Diameter

1 1/4" 3/4"

joint to shell:—

5"

strength:—

—

Description of longitudinal joint:—

—

Have all the requirements for the Rules for Class I vessels been complied with

—

Pitch of rivets

—

Thickness of straps

—

Percentage strength of long. joint

—

Crown or End Plates:—Range of tensile strength

—

Thickness

—

Radius or how stayed

—

SUPERHEATER, Drums or Headers:—Number in each boiler

2

Thickness

1 1/2"

Material

carb moly steel

or flanged

forged

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

—

Percentage strength of drum shell in way of tubes

37.1

Radius or how stayed

flat

Tested by hydraulic pressure to

928 lb

can be shut off from the boiler

yes

of valves

7.95 lb

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,

For VICKERS-ARMSTRONGS LIMITED.

Wood.

Manufacturer.

Dates

of Survey

while

building

During progress of

work in shops

During erection on

board vessel

1946

1947

1948

1949

Nov. 25

Dec. 30

May 23

Aug. 26

Jan. 15

Feb. 3

Mar. 19

Apr. 23

Is the approved plan of boiler forwarded herewith

—

Total No. of visits

12

Is this boiler a duplicate of a previous case

yes

If so, state vessel's name and report No.

SURYA

GENERAL REMARKS

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

These boilers have been constructed under special survey in accordance with the approved plans, Secretary's letters and the requirements of the Rules. Workmanship & materials are good.

The boilers have been sent to Newcastle for installation.

Survey Fee

2/5

Travelling Expenses (if any) £

167 : 12

When applied for

29/7/1948

When received

19

Date

FRI, 29 APR 1949

Committee's

Minute

See F.E. moly. rpt.

Engineer Surveyor to Lloyd's Register of Shipping.

R.L. (SFR) = 9765

Economic = 3900

Total = 13665

Lloyd's Register

Foundation

005453-005461-0028