

## REPORT ON WATER TUBE BOILERS.

No. 54532.

Received at London Office

Date of writing Report

19

When handed in at Local Office

19

Port of HULL.

No. in

Survey held at

HULL.

Date, First Survey

13.10.47.

Last Survey

6.11.1947.

Reg. Bk.  
32573

on the

"SPRINGBANK" ex "SAMSPELGA".

(Number of Visits 10)

Tons

Gross 7248

Net 4408

Built at Baltimore Md.

By whom built Bethlehem Fairfield Shipyard

When built 1944

Engines made at Hamilton O.

By whom made General Mach. Corp.

When made -do-

Boilers made at -

By whom made -

When made -

Nominal Horse Power -

Owners Bank Line Ltd.

Port belonging to Glasgow.

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

Date of Approval of plan

Number and Description or Type

of Boilers 2 Babcock &amp; Wilcox Type.

Working Pressure 250 lb.

Tested by Hydraulic Pressure to

Date of Test

No. of Certificate -

Can each boiler be worked separately -

Total Heating Surface of Boilers 2 x 4852 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 per boiler

each boiler 2 each (main.)

Area of each set of valves per boiler

per rule

as fitted

2 at 12.56 sq. in.

Pressure to which they

are adjusted 250 lbs.

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

Height of boiler

Width and Length -

Steam Drums:—Number in each boiler one

Inside diameter 47 3/8

41.3/8"

Thickness of plates 1.5/16"

Range of Tensile Strength -

Are drum shell plates welded

or flanged welded If fusion welded, state name of welding firm

Have all the requirements of the rules

for Class I vessels been complied with -

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 -

Pitch of tube holes -

Percentage strength of shell in way of tubes -

Steam Drum Heads or Ends:—Range of tensile strength -

Thickness of plates -

Radius or how stayed -

Size of manhole or handhole -

Water Drums:—Number

in each boiler -

Inside Diameter -

Thickness of plates -

Range of tensile strength -

Are drum shell plates

welded or flanged -

If fusion welded, state name of welding firm -

Have all the requirements of the rules

for Class I vessels been complied with -

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 -

Pitch of tube holes -

Percentage strength of drum shell in way of tubes -

Water Drum Heads or Ends:—Range of Tensile strength -

Thickness of plates -

Radius or how stayed -

Size of manhole or handhole -

Headers or Sections:—Number 22 uptake, 22 downtake

Material -

Thickness 22 at 4"

Tested by Hydraulic Pressure to

Tubes:—Diameter 4" x 6 BWG

Thickness 2" x 10 BWG

Number 602 at 2"

Steam Dome or Collector:—Description of

Joint to Shell -

Inside diameter -

Thickness of shell plates -

Range of tensile

strength -

Description of longitudinal joint -

If fusion welded, state name of welding

firm -

Have all the requirements of the rules for Class I vessels been complied with -

Diameter of rivet holes -

Pitch of rivets -

Thickness of straps -

Percentage strength of long. joint -

Plate -

Rivet -

Crown or End Plates:—Range of tensile strength -

Thickness -

Radius or how stayed -

SUPERHEATER. Drums or Headers:—Number in each boiler 2

Thickness 5/8"

Material -

Range of tensile strength -

Are drum shell plates welded

or flanged -

If fusion welded, state name of welding firm -

Have all the requirements of the rules

for Class I vessels been complied with -

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 -

Pitch of tube holes -

Percentage strength of

drum shell in way of tubes -

Drum Heads or Ends:—

Thickness -

Range of tensile strength -

Radius or how stayed -

Size of manhole or handhole -

Number, diameter, and thickness of tubes -

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 -

No. and description of Safety Valves 1 spring loaded

Area of each set

of valves 1.76 sq. ins.

Pressure to which they are adjusted 245 lbs.

Is easing gear fitted Yes

Spare Gear. Has the spare gear required by the rules been supplied usually 230 lb.

The foregoing is a correct description,

Manufacturer.

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

Is the approved plan of boiler forwarded herewith

Total No. of visits

Is this boiler a duplicate of a previous case.

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

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

The boilers and mountings have been examined internally &amp; externally and found in good order.

Survey Fee see report attached  
Travelling Expenses (if any) £ : : }When applied for, 19  
When received, 19

Committee's Minute

Assigned

see minute on

Rpt. 9

L. Tait Williams

Engineer Surveyor to Lloyd's Register of Shipping.

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Foundation

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