

Lloyd's Register
2016
Foundation

5A 17986.

Are the stays drilled at the outer ends ho ✓ Margin stays: Diameter { At turned off part, or Over threads 1 3/4"

No. of threads per inch 9 ✓

Tubes: Material Lambton Steel External diameter { Plain 2 1/2" Stay 2 1/2" Thickness { 10 S.W.G. 9/16" No. of threads per inch 9 ✓

Pitch of tubes 3 3/4" x 3 3/4" Manhole compensation: Size of opening in shell plate 21" x 17" Section of compensating ring 8 1/4" x 1 1/8" No. of rivets and diameter of rivet holes 52 - 1 1/4"

Outer row rivet pitch at ends 7 1/6" Depth of flange if manhole flanged ✓ Steam Dome: Material None

Tensile strength _____ Thickness of shell _____ Description of longitudinal joint _____

Diameter of rivet holes _____ Pitch of rivets _____ Percentage of strength of joint { Plate Rivets _____

Internal diameter _____ Thickness of crown _____ No. and diameter of stays _____ Inner radius of crown _____

How connected to shell _____ Size of doubling plate under dome _____ Diameter of rivet holes and pitch of rivets in outer row in dome connection to shell _____

Type of Superheater _____ Manufacturers of { Tubes _____ Steel forgings _____ Steel castings _____

Number of elements _____ Material of tubes _____ Internal diameter and thickness of tubes _____

Material of headers _____ Tensile strength _____ Thickness _____ Can the superheater be shut off and the boiler be worked separately _____ Is a safety valve fitted to every part of the superheater which can be shut off from the boiler _____

Area of each safety valve _____ Are the safety valves fitted with easing gear _____

Pressure to which the safety valves are adjusted _____ Hydraulic test pressure: tubes _____ forgings and castings _____ and after assembly in place _____ Are drain cocks or valves fitted to free the superheater from water where necessary _____

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with _____

The foregoing is a correct description,

H. G. Orkley

Manufacturer

Dates of Survey { During progress of work in shops - - - 1945 July: 13-26 Aug: 3-14-29 Sep: 7-13 Are the approved plans of boiler and superheater forwarded herewith 9/2/46. (If not state date of approval.)

while building { During erection on board vessel - - - Oct: 19-31 Nov: 14-23-29 Dec: 5-14-28 Total No. of visits 18

1946 Jan: 11-16-21

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, &c.)

This boiler has been constructed under Special Survey & in accordance with the Rule Requirements & approved plan.

The material & workmanship are good & on completion the boiler was hydraulically tested to 275 lb. p.s.i. & found satisfactory.

This boiler is being forwarded to Sunderland for Mr. Fraser's Contract No. 735.

This boiler has been securely fixed on board the vessel & the safety valves adjusted to working pressure as above.

In recommendation please see Machinery Rpt. *P. J. Fraser.*

Survey Fee ... £ 20 : 5 : } When applied for, 6 : 2 : 46

Travelling Expenses (if any) £ : : } When received, 19

G. E. Fraser

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 13 SEP 1946

Assigned *To minute see Sld. F.E. Keby Rpt- 34524*



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