

AIR RESERVOIRS.
REPORT ON BOILERS.

No. 51840
21 OCT 1931

Received at London Office

19th Oct. 31 When handed in at Local Office 19th Oct. 1931 Port of Glasgow
Date, First Survey 11 - 8 - 30 Last Survey 14th Oct. 1931
(Number of Visits 89) Gross 8375
Tons Net 4948
Built at Glasgow By whom built Harland & Wolff Ltd. Yard No. 9086 When built 1931
By whom made Ditto Engine No. 908 When made 1931
By whom made Harland & Wolff Ltd. Boiler No. 9086 When made 1930
Owners Anglo Saxon Petroleum Co. Ltd. Port belonging to London

AIR RESERVOIRS.

MULTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel (Letter for Record)
Is forced draught fitted Coal or Oil fired
Heating Surface of Boilers Four - Cylindrical - Built, Steel Working Pressure
and Description of Boilers reservoir
Can each boiler be worked separately yes
ed by hydraulic pressure to Date of test No. of Certificate
No. and Description of safety valves to each boiler 2 - Direct Spring
No. of each set of valves per boiler {per Rule as fitted} 203" diam. Pressure to which they are adjusted 356 lb./sq. in. Are they fitted with easing gear No.
ase of donkey boilers, state whether steam from main boilers can enter the donkey boiler
llest distance between boilers or uptakes and bunkers or woodwork Is oil fuel carried in the double bottom under boilers
llest distance between shell of boiler and tank top plating Is the bottom of the boiler insulated
gth of plain part Length Shell plates: Material Tensile strength
Are the shell plates welded or flanged Description of riveting: circ. seams {end inter.}
Diameter of rivet holes in {circ. seams long. seams} Pitch of rivets {plate rivets}
centage of strength of circ. end seams {plate rivets} Percentage of strength of circ. intermediate seam {plate rivets}
centage of strength of longitudinal joint {plate rivets combined} Working pressure of shell by Rules
ckness of butt straps {outer inner} No. and Description of Furnaces in each Boiler
Tensile strength Smallest outside diameter
Thickness of plates {crown bottom} Description of longitudinal joint
ensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules
d plates in steam space: Material Tensile strength Thickness Pitch of stays
Working pressure by Rules
be plates: Material {front back} Tensile strength Thickness
Working pressure {front back}
Pitch of stay tubes in nests Pitch across wide water spaces Working pressure {front back}
Orders to combustion chamber tops: Material Tensile strength Depth and thickness of girder
Length as per Rule Distance apart No. and pitch of stays
Working pressure by Rules Combustion chamber plates: Material
Thickness: Sides Back Top Bottom
Are stays fitted with nuts or riveted over
Front plate at bottom: Material Tensile strength
Lower back plate: Material Tensile strength Thickness
Are stays fitted with nuts or riveted over
Main stays: Material Tensile strength
At body of stay, No. of threads per inch Area supported by each stay
Over threads
Working pressure by Rules Screw stays: Material Tensile strength
At turned off part, No. of threads per inch Area supported by each stay
Over threads

Working pressure by Rules *Are the stays drilled at the outer ends* Margin stays: Diameter { *At turned off part,*
or
Over threads
Working pressure by Rules
No. of threads per inch *Area supported by each stay*
Tubes: Material *External diameter* { *Plain*
Stay Thickness { *No. of threads per inch*
Pitch of tubes *Working pressure by Rules* Manhole compensation: Size of opening
shell plate *Section of compensating ring* No. of rivets and diameter of rivet holes
Outer row rivet pitch at ends *Depth of flange if manhole flanged* Steam Dome: Material
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 *Working pressure by Rules* Thickness of crown *No. and diameter*
stays *Inner radius of crown* Working pressure by Rules
How connected to shell *Size of doubling plate under dome* Diameter of rivet holes and
of rivets in outer row in dome connection to shell

Type of Superheater
Number of elements *Material of tubes* Manufacturers of { *Tubes*
Steel castings
Internal diameter and thickness of tubes
Material of headers *Tensile strength* Thickness *Can the superheater be shut off*
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* Working pressure
Rules *Pressure to which the safety valves are adjusted* Hydraulic test pressure
tubes *castings* and after assembly in place *Are drain cocks or valves*
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,

Manuf

Dates of Survey { *During progress of*
work in shops - -
while building { *During erection on*
board vessel - - -
Are the approved plans of boiler and superheater forwarded herewith
(If not state date of approval.)
SEE ACCOMPANYING MACHINERY REPORT. 89
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, &c.)

These Air Receivers have properly fitted in the vessel and the safety valves adjusted above. Fusible plugs are fitted in each Receiver.

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

Committee's Minute GLASGOW 20 OCT 1931

Assigned SEE ACCOMPANYING MACHINERY REPORT.



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