

YACHT.

REPORT ON BOILERS.

No. 14376
41503

Received at London Office

WED. 16 NOV. 1921

5a.

Writing Report 5 hours 1921 When handed in at Local Office 12.11.1921 Port of Glasgow & Southampton
in Survey held at Glasgow Date, First Survey and Last Survey 3rd Nov 1921
Book. on the Manoeuvring Air Reservoirs for M.V. "SONA" (Number of Visits One) Gross Tons Net
Built at Southampton By whom built Sampson & Nicholson's Ltd. J. 307 When built 1922
Welds made at Ipswich By whom made Vickers - Pettus Ltd When made 1922
Boilers made at Glasgow By whom made Buchanan's Ltd for Stewarts & Lloyd's Ltd When made 1921
Horse Power Owners The Earl of Dunraven Port belonging to

Manoeuvring Air Reservoirs
~~TITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY~~ - Manufacturers of Steel Stewarts & Lloyd's, Ltd. of Scotland

for record S Total Heating Surface of Boilers Is forced draft fitted No. and Description of
Two Air Reservoirs Working Pressure 200 lbs. Tested by hydraulic pressure to 400 lbs. Date of test 3/11/21
Certificate 15942 Can each boiler be worked separately Area of fire grate in each boiler No. and Description of
valves to each boiler Area of each valve Pressure to which they are adjusted
Key fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Least distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 2'-0" Length 4'-3"
Material of shell plates Steel Thickness 9/32 Range of tensile strength 28/32 tons Are the shell plates welded or flanged No
Pitch of riveting: cir. seams Lap DR. long. seams DBS, DR. Diameter of rivet holes in long. seams 7/16 Pitch of rivets 2 1/8
Pitch of plates or width of butt straps 4 3/4 Per centages of strength of longitudinal joint rivets 44.3 Working pressure of shell by
plate 49.4
229 lbs. Size of manhole in shell 14" x 10 1/2" Size of compensating ring and flanged in No. and Description of Furnaces in each

Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber
Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back
If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at
least part Area supported by each stay Working pressure by rules End plates in steam space: Material Steel Thickness 7/16
of stays None How are stays secured 2'-0" Radius Working pressure by rules 200 Material of stays Area at smallest part
supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of

Back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes
of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide
spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of
at centre Length as per rule Distance apart Number and pitch of Stays in each
Working pressure by rules Steam dome: description of joint to shell % of strength of joint

Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
of rivets Working pressure of shell by rules Crown plates Thickness How stayed
SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to
of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
Material of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,
Manufacturer.

During progress of work in shops - 1921 Nov 3
During erection on board vessel - - -
Is the approved plan of boiler forwarded herewith
Total No. of visits /

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
The Reservoirs have been built under Special Survey, in materials and workmanship
regood.

Survey Fee ... £ 2 : 2 : } When applied for, Monthly Account
Travelling Expenses (if any) £ : : } When received, 1921

Committee's Minute GLASGOW. 15 NOV 1921
signed TRANSMIT TO LONDON
Engineer Surveyor to Lloyd's Register of Shipping
Lloyd's Register Foundation
W319-0166