

REPORT ON BOILERS.

No. 42623

Received at London Office

WED. APR. 11 1923

Date of writing Report

19

When handed in at Local Office

10.4.23 Port of Glasgow

No. in Survey held at
Reg. Book.

Dalmeir.

Date, First Survey 16th Sept 1919

Last Survey 4. April 1923.

(Number of Visits 100.)

Gross 18383
Net 10208

on the

S "CONTE VERDE"

Master

Built at Dalmeir

By whom built

W. Beardmore & Co.

When built 1923.

Engines made at Dalmeir

By whom made

W. Beardmore & Co.

When made 1923.

Boilers made at Dalmeir

By whom made

W. Beardmore & Co.

When made 1923.

Registered Horse Power

Owners Lloyd Sabaudo Società Anonima di Navigazione Port belonging to Genoa.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record S.) Total Heating Surface of Boilers (2SE) 6022 ft² Is forced draft fitted *Yes* No. and Description ofBoilers *Two Single end* Working Pressure 200 lbs Tested by hydraulic pressure to 350 lbs Date of test 7/22, 5/22.No. of Certificate 16092, 16094 Can each boiler be worked separately *Yes* Area of fire grate in each boiler 72 ft² No. and Description ofsafety valves to each boiler 2 Spring loaded Area of each valve 9.62 ft² Pressure to which they are adjusted 205 lbs.Are they fitted with easing gear *Yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *Yes*Smallest distance between boilers or uptakes and bunkers or woodwork *well clear* Mean dia. of boilers 16'3" Length 11'3"Material of shell plates *Steel* Thickness 1/32" Range of tensile strength 30/34 lb Are the shell plates welded or flanged *no*Descrip. of riveting: cir. seams *lap double* long. seams *butt* Diameter of rivet holes in long. seams 1/2" Pitch of rivets 10"

Lap of plates or width of butt straps 2 1/4" Per centages of strength of longitudinal joint rivets 89.4 plate 85.0 Working pressure of shell by

rules 213 lbs Size of manhole in shell 16" x 12" Size of compensating ring 37" x 33" No. and Description of Furnaces in each

boiler 4 *horizontal* Material *Steel* Outside diameter 43 1/2" Length of plain part top Thickness of plates crown 9/16" bottomDescription of longitudinal joint *welded* No. of strengthening rings Working pressure of furnace by the rules 202 lbs Combustion chamberplates: Material *Steel* Thickness: Sides 1/16" Back 1/16" Top 1/16" Bottom 3/4" Pitch of stays to ditto: Sides 9" x 9" Back 7 1/2" x 10"Top 9" x 9" If stays are fitted with nuts or riveted heads *no* Working pressure by rules 202 lbs Material of stays *Steel* Area atsmallest part 2.03 Area supported by each stay 81" Working pressure by rules 226 lbs End plates in steam space: Material *Steel* Thickness 1/16"Pitch of stays 8" x 17" How are stays secured 2 nuts Working pressure by rules 205 lbs Material of stays *Steel* Area at smallest part 70"Area supported by each stay 306" Working pressure by rules 202 lbs Material of Front plates at bottom *Steel* Thickness 1/16" Material ofLower back plate *Steel* Thickness 1/16" Greatest pitch of stays 15 1/4" Working pressure of plate by rules 207 lbs Diameter of tubes 3"Pitch of tubes 4 1/8" x 4 1/4" Material of tube plates *Steel* Thickness: Front 1/16" Back 7/8" Mean pitch of stays 10 1/2" Pitch across widewater spaces 1/4" Working pressures by rules 205 lbs Girders to Chamber tops: Material *Steel* Depth and thickness of

girder at centre 8 1/8" x 1 1/2" Length as per rule 29 7/16" Distance apart 9" Number and pitch of Stays in each 279"

Working pressure by rules 202 lbs Steam dome: description of joint to shell *none* % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type *Robinson's* Date of Approval of Plan 1/3/20. Tested by Hydraulic Pressure to *Yes*Date of Test *See certificate* Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler *Yes*Diameter of Safety Valve 2" Pressure to which each is adjusted 210 lbs Is Easing Gear fitted *Yes*The foregoing is a correct description,
FOR WILLIAM BEARDMORE & CO., LIMITED
Manufacturer.Dates of Survey
During progress of work in shops --
while building During erection on board vessel --

See 1st Entry Report attached

Is the approved plan of boiler forwarded herewith *Yes*

Total No. of visits 100

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

These boilers have been built under Survey and in accordance with the Rules and approved plan, they have been satisfactorily fitted on board.
See also 1st Entry Report.Survey Fee ... £ : : When applied for, 19
Travelling Expenses (if any) £ : : When received, 19

Committee's Minute

GLASGOW

10 APR 1923

Assigned

See accompanying report.

A. Campbell
Engineer Surveyor to Lloyd's Register of Shipping.