

Rpt. 4.

REPORT ON MACHINERY.

No. 25291

Port of *Glasgow*Received at London Office *JUN 21 MAY 1907*No. in Survey held at *Dalmuir*

Date, first Survey

East Survey *6th May 1907*

Reg. Book.

on the

J. S. S. Quilpue.

(Number of Visits)

Tons { Gross
Net

Master

Built at

Dalmuir

By whom built

H. M. Beardmore & Co. Ltd.

When built

1907

Engines made at

Dalmuir

By whom made

H. M. Beardmore & Co. Ltd.

When made

1907.

Boilers made at

do

By whom made

do

when made

1907.

Registered Horse Power

Owners

Pacific Steam Navigation Co. Ltd.

Port belonging to

Liverpool.

Nom. Horse Power as per Section 28

550

Is Refrigerating Machinery fitted for cargo purposes

no

Is Electric Light fitted

yes

ENGINES, &c.—Description of Engines

Four Semi Triple Expansion

of Cylinders

Six

No. of Cranks

6

Dia. of Cylinders

20", 33" & 55"

Length of Stroke

40

Revs. per minute

100

Dia. of Screw shaft

as per rule 11.55"

Material of

Steel

Is the screw shaft fitted with a continuous liner the whole length of the stern tube

yes

Is the after end of the liner made water tight

in the propeller boss

yes

If the liner is in more than one length are the joints burned

✓

If the liner does not fit tightly at the part

between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

✓

If two

liners are fitted, is the shaft lapped or protected between the liners

✓

Length of stern bush

49"

Dia. of Tunnel shaft

as per rule 10.55"

Dia. of Crank shaft journals

as per rule 11.02"

Dia. of Crank pin

11 1/2"

Size of Crank webs

21 x 8"

Dia. of thrust shaft under

collars 11 1/2"

No. of Feed pumps

one double

Pitch of Screw

14 to 16 ft

No. of Blades

3

State whether moveable

yes

Total surface

Each 57 sq ft

No. of Bilge pumps

two

Diameter of ditto

4 1/2"

Stroke

20"

Can one be overhauled while the other is at work

yes

No. of Donkey Engines

four

In Engine Room

5, 3 1/2" diam

Diameter of ditto

one double

Pitch of Screw

14 to 16 ft

No. of Blades

3

State whether moveable

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No. of Donkey Engines

VERTICAL DONKEY BOILER— Manufacturers of Steel

No. One Description See attached report. When made _____ Where fixed _____
 Made at _____ By whom made _____ No. of Certificate _____ Fire grate area _____ Description of Safety
 Working pressure _____ tested by hydraulic pressure to _____ Date of test _____ Date of adjustment _____
 Valves _____ No. of Safety Valves _____ Area of each _____ Pressure to which they are adjusted _____
 If fitted with easing gear _____ If steam from main boilers can enter the donkey boiler _____ Dia. of donkey boiler _____ Length _____
 Material of shell plates _____ Thickness _____ Range of tensile strength _____ Descrip. of riveting long. seams _____ Rivets _____
 Dia. of rivet holes _____ Whether punched or drilled _____ Pitch of rivets _____ Lap of plating _____ Per centage of strength of joint _____ Plates _____
 Working pressure of shell by rules _____ Thickness of shell crown plates _____ Radius of do. _____ No. of stays to do. _____ Dia. of stays _____
 Diameter of furnace Top _____ Bottom _____ Length of furnace _____ Thickness of furnace plates _____ Description of joint _____
 Working pressure of furnace by rules _____ Thickness of furnace crown plates _____ Stayed by _____
 Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____ Dates of survey _____

SPARE GEAR. State the articles supplied:— As required by the rules and in addition one
single crank shaft, 6 bronze propeller blades, one propeller boss, main crosshead
and guide block, eccentric rods & straps & pulleys, air pump rod, luffet and
delivery valve, one propeller shaft, one piston rod, top & bottom end brasses,
air pump valves guards etc.

The foregoing is a correct description,
WILLIAM BROWN & CO., LIMITED.
C. F. BULL Manufacturer.

Dates of Survey _____
 During progress of work in shops— 1906 May 10 Jun 21 25 Aug 12 20 Sep 8 Oct 4 17 22 29 Nov 1 5 8 Dec 1 12 1907 Jan 8 16 17 25 26
 During erection on board vessel— Feb 15 20 22 Mar 12 28 29 27 28 Apr 4 5 8 11 15 17 19 22 May 6
 building _____
 Total No. of visits 17
 Is the approved plan of main boiler forwarded herewith Yes.
 " " " donkey " " Yes.

Dates of Examination of principal parts—Cylinders 17/10/06 Slides 1/11/06 Covers 1/11/06 Pistons 5/11/06 Rods 5/11/06
 Connecting rods 5/11/06 Crank shaft 11/11/06 Thrust shaft 8/11/06 Tunnel shafts 1/3/07 Screw shaft 1/3/07 Propeller 1/3/07
 Stern tube 22/3/07 Steam pipes tested 17/4/07 Engine and boiler seatings 1/3/07 Engines holding down bolts 27/4/07
 Completion of pumping arrangements 23/4/07 Boilers fixed 27/4/07 Engines tried under steam 23/4/07
 Main boiler safety valves adjusted 23/4/07 Thickness of adjusting washers 1149 Material of Thrust shaft Steel Identification Mark on Do. 1/3/07
 Material of Crank shaft Steel Identification Marks on Do. 1/3/07 Material of Screw shafts Steel Identification Marks on Do. do
 Material of Tunnel shafts Steel Identification Marks on Do. 1/3/07 Test pressure 475 lb per sq in
 Material of Steam Pipes Copper

General Remarks (State quality of workmanship, opinions as to class, &c.) The machinery of this vessel
has been built under special survey, the materials and work-
manship are of good quality, it has been securely fitted on
board and satisfactorily tried under steam.
In my opinion the machinery of this vessel is now
eligible for record of L of C 5-07 in register book.

The machinery of this vessel is similar to that of sister
vessel L L L Juliette.

Six boiler plans, two forging reports and two copies of reports
on evaporator & fuel heater now attached

The amount of Entry Fee... £ 3 : :
 Special... £ 49 : 10 :
 Donkey Boiler Fee... £ : :
 Travelling Expenses (if any) £ : :
 When applied for. 20 MAY 1907
 When received. 22/5/07

Committee's Minute

Assigned

Glasgow 20 MAY 1907

MACHINERY CERTIFICATE
 WRITTEN 21-5-07

It is submitted that
 this vessel is eligible for
 THE RECORD L of C 5-07

George R. H. H. H.
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping



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 Foundation