

REPORT ON MACHINERY.

No. 108

MAY 1919

Received at London Office

REC'D NEW YORK April 22, 1919.
Writing Report Sec 17 1918 When handed in at Local Office

19 Port of Toronto

Survey held at Toronto

Date, First Survey 6/11/1917

Last Survey Mar 31

1919

Book.

on the S.S. "Le Quenoy"

(Number of Visits)

Tons Gross 2741.

Net 1669.

When built 1919

Built at Toronto

By whom built Dominion Ship building Co

when made 1918

es made at Toronto

By whom made The John Inglis Co Limited

when made 1918

s made at Toronto

By whom made The John Inglis Co Limited

ered Horse Power 1400

Owners Nova Scotia Transportation Co. Ltd.

Port belonging to Toronto

Horse Power as per Section 28 253

Is Refrigerating Machinery fitted for cargo purposes No

Is Electric Light fitted Yes.

NES, &c.—Description of Engines Inverted triple Expansion

No. of Cylinders 3

No. of Cranks 3

Cylinders 20 37 1/2 55

Length of Stroke 40

Revs. per minute 80

Dia. of Screw shaft

as per rule 11.7

Material of O.H.S.

screw shaft fitted with a continuous liner the whole length of the stern tube no liners

Is the after end of the liner made water tight

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

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

If two

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

Length of stern bush 4'-1"

Tunnel shaft

as per rule 10.42 10.43

Dia. of Crank shaft journals

as per rule 10.94 10.95

Dia. of Crank pin 11

Size of Crank webs 20.5 x 7.5

Dia. of thrust shaft under

11 Dia. of screw 13

Pitch of Screw 17'-6"

No. of Blades 4

State whether moveable no

Total surface 63

Feed pumps 2

Diameter of ditto 10 x 5

Stroke 12

Can one be overhauled while the other is at work Yes

Bilge pumps 1

Diameter of ditto 5

Stroke 12

Can one be overhauled while the other is at work Yes

Donkey Engines 4

Sizes of Pumps 7.5 x 7.5 x 6

6 x 5.75 x 6

No. and size of Suctions connected to both Bilge and Donkey pumps

gine Room No. 3 dia - one 3" direct

Stokehold No. 3" dia

In Holds, &c. No. 3" dia

No. 3" dia

No. 3" dia

the 3" dia tunnel

Bilge Injections 1 sizes 6

Connected to condenser or to circulating pump Yes

Is a separate Donkey Suction fitted in Engine room & size Yes 3"

the bilge suction pipes fitted with roses Yes

Are the roses in Engine room always accessible Yes

Are the sluices on Engine room bulkheads always accessible none

connections with the sea direct on the skin of the ship Yes

Are they Valves or Cocks

Valves and Cocks

y fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes

Are the Discharge Pipes above or below the deep water line above

Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes

y each fitted with a Discharge Valve always accessible on the plating of the vessel Yes

Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes

How are they protected

pipes are carried through the bunkers none

How are they protected

Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes

Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges Yes

Screw Shaft Tunnel watertight Yes

Is it fitted with a watertight door Yes

worked from main deck.

ERS, &c.—(Letter for record 253)

Manufacturers of Steel Carnegie Steel Co.

Heating Surface of Boilers 4534

Is Forced Draft fitted No

No. and Description of Boilers Two cylindrical multitubular

ng Pressure 185

Tested by hydraulic pressure to 280

Date of test 20. 11. 18

No. of Certificate 67 and 68

ch boiler be worked separately Yes

Area of fire grate in each boiler 63

No. and Description of Safety Valves to

iler No. Sprung loaded

Area of each valve 7.06

Pressure to which they are adjusted

Are they fitted with easing gear Yes

t distance between boilers or uptakes and bunkers or woodwork 1'-6"

Mean dia. of boilers 14'-0"

Length 12'-0"

Material of shell plates O.H.S.

ss 1/4 Range of tensile strength 28 6 32

Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams double

ams treble

Diameter of rivet holes in long. seams 15/16

Pitch of rivets 9

Lap of plates or width of butt straps 19 1/4

tages of strength of longitudinal joint

rivets 89.2

Working pressure of shell by rules 200

Size of manhole in shell 11 x 16

compensating ring 34 x 30

No. and Description of Furnaces in each boiler 3 Corrugated

Material O.H.S.

Outside diameter 46

of plain part

Thickness of plates

crown 19

Description of longitudinal joint welded

No. of strengthening rings

g pressure of furnace by the rules 205

Combustion chamber plates: Material O.H.S.

Thickness: Sides 9/16

Back 9/16

Top 7/16

Bottom 1

t stays to ditto: Sides 6 1/2

Back 6

Top 9

If stays are fitted with nuts or riveted heads then riveted

Working pressure by rules 207

al of stays O.H.S.

Area at smallest part 994

Area supported by each stay 36

Working pressure by rules 220

End plates in steam space:

al O.H.S. Thickness 1

Pitch of stays 15 1/2

How are stays secured nuts

Working pressure by rules 193

Material of stays O.H.S.

t smallest part 4.9

Area supported by each stay 27-25

Working pressure by rules 219

Material of Front plates at bottom O.H.S.

ss 13/16 Material of Lower back plate O.H.S.

Thickness 3/4

Greatest pitch of stays 13.5 x 6

Working pressure of plate by rules 257

r of tubes 3 1/2

Pitch of tubes 4 1/2

Material of tube plates O.H.S.

Thickness: Front 13/16

Back 3/4

Mean pitch of stays 10.12

across wide water spaces 14.5

Working pressures by rules 216

Girders to Chamber tops: Material O.H.S.

Depth and

s of girder at centre 8 3/4 x 1 1/4

Length as per rule 29

Distance apart 7.75

Number and pitch of stays in each 3

7

g pressure by rules 206

Steam dome: description of joint to shell No steam dome.

% of strength of joint

r Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet holes

rivets

Working pressure of shell by rules

Crown plates

Thickness

How stayed

RHEATER. Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

Test

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

of Safety Valve

Pressure to which each is adjusted

Is Easing Gear fitted

2020

Lloyd's Register

Foundation

W1281-0210

IS A DONKEY BOILER FITTED?

no

If so, is a report now forwarded?

Rpt. 13.

REC'D N

SPARE GEAR. State the articles supplied:—

Two Connecting rod bottom end bolts and nuts. Two main bearing bolts and nuts
One cotter for top ends. One set coupling bolts and nuts. One set feed and bilge
pump valves. One set piston springs. assorted bolts & nuts - iron various sizes

The foregoing is a correct description,

THE JOHN INGLIS CO., LIMITED

Camplin & Co.

Manufacturer.

Dates of Survey while building { During progress of work in shops - - - { Oct. 11. June 20. 21. July 3. 5. May 23. 27. June 4. 5. 11. 17. 20. 26. 27. 28. July 4. 8. 10. 11. 12. 18. 19. 23. Aug 26. Sep 3. 30
During erection on board vessel - - - { Oct. 10. 15. 17. 29. 31. Nov. 1. 5. 8. 9. 13. 14. 20. 21. 25 Dec 4.
Total No. of visits { Dec. 23. 28. Jan. 4. 16. 29. Feb. 11. 21. Mar. 4. 10. 11. 31.
Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

Dates of Examination of principal parts—Cylinders 13. 11. 18 Slides 21. 11. 18 Covers 1. 11. 18 Pistons 21. 11. 18 Rods 21. 11. 18

Connecting rods 1. 11. 18 Crank shaft 15. 11. 18 Thrust shaft 15. 11. 18 Tunnel shafts 15. 11. 18 Screw shaft 9. 11. 18 Propeller 9. 11. 18

Stern tube 8. 10. 18 Steam pipes tested 22. 11. 18 Engine and boiler seatings 19. 11. 18 Engines holding down bolts 11-2-19

Completion of pumping arrangements Boilers fixed 11-2-19 Engines tried under steam 11-3-19

Completion of fitting sea connections 18. 11. 18 Stern tube 18. 11. 18 Screw shaft and propeller 18. 11. 18

Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft O.H.S. Identification Mark on Do. 729. 15. 11. 18 AS Material of Thrust shaft O.H.S. Identification Mark on Do. 730. 15. 11. 18 AS

Material of Tunnel shafts O.H.S. Identification Marks on Do. 731. 732. 733. 734 Material of Screw shafts O.H.S. Identification Marks on Do. 728. 9. 11. 18 AS

Material of Steam Pipes Steel - Cast Steel flanges riveted Test pressure 555 lbs.

Is an installation fitted for burning oil fuel no Is the flash point of the oil to be used over 150°F.

Have the requirements of Section 49 of the Rules been complied with

Is this machinery duplicate of a previous case yes If so, state name of vessel St. Michel. Troja. Angoulême.

General Remarks (State quality of workmanship, opinions as to class, &c.)

The machinery and boilers in this vessel have been constructed under special survey. They are of good material and workmanship and are fitted and secured on board according to the rules. They are in good working condition and eligible for record + LMC

This vessel has proceeded to New York & to complete the survey it will be necessary to adjust the safety valves & try out the pumping system. The stern tube split by frost is to be renewed.

The amount of Entry Fee ... £ 10 : 00 : When applied for,
Special ... £ 163 : 25 : up to 1919
Donkey Boiler Fee ... £ : : When received,
Travelling Expenses (if any) £ : : 24/7/19

Committee's Minute

TUE. 8-JUL. 1919

Assigned

+ Lm. 6. 5. 19.

Alexander Scott. N. J. Alderson
Engineer Surveyor to Lloyd's Register of Shipping.

MACHINERY CERTIFICATE
WRITTEN.



© 2020
Lloyd's Register
Foundation