

REPORT ON MACHINERY.

No. 27209

Received at London Office

MUN 15 APR 1918

12 APR 1918

Port of

Sunderland

Date, First Survey

16 Oct 17

Last Survey 4-4-1918

Report held at Sunderland

the new steel 6/5 "LESTO".

Johnston

Built at

Sunderland

By whom built

J. Brown & Son

162

When made 1918

at Sunderland

By whom made

North Eastern Marine Engineering Co. Ltd.

when made 1918

at Sunderland

By whom made

North Eastern Marine Engineering Co. Ltd.

when made 1918

Horse Power

Owners

Pelton & Co. Ltd.

Port belonging to

Newcastle

Power as per Section 28

221

Is Refrigerating Machinery fitted for cargo purposes

no

Is Electric Light fitted

yes

S, &c.—Description of Engines

Triple expansion

No. of Cylinders

3

No. of Cranks

3

Cylinders

21, 34, 56

Length of Stroke

39

Revs. per minute

76

Dia. of Screw shaft

as per rule 11.91

Material of screw shaft

steel

Is the after end of the liner made water tight

yes

If the liner does not fit tightly at the part

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

yes

Is the space charged with a plastic material insoluble in water and non-corrosive

yes

If two

Length of stern bush

4-0

Is the shaft lapped or protected between the liners

as per rule 10.5

Dia. of Crank shaft journals

as per rule 11

Dia. of Crank pin

11 1/2

Size of Crank webs

16 1/2 x 7

Dia. of thrust shaft under

68

Dia. of screw

14-9

Pitch of Screw

16-3

No. of Blades

4

State whether moveable

no

Total surface

68

Feed pumps

2

Diameter of ditto

3

Stroke

21

Can one be overhauled while the other is at work

yes

Bilge pumps

2

Diameter of ditto

3 1/2

Stroke

21

Can one be overhauled while the other is at work

yes

Donkey Engines

3

Sizes of Pumps

10 1/2 x 9

9 1/2 x 8 1/2

5 1/2 x 6

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

In Holds, &c.

7

20 1/2

after hold

10 1/2

Is a separate Donkey Suction fitted in Engine room & size

yes

3

Are the roses in Engine room always accessible

yes

Are the sluices on Engine room bulkheads always accessible

none

Are they Valves or Cocks

both

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

How are they protected

none

Are the bilge suction pipes fitted with roses

yes

Are the roses in Engine room always accessible

yes

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MANUFACTURERS, &c.—(Letter for record)

John Spencer & Sons Ltd.

Is Forced Draft fitted

no

No. and Description of Boilers

Two single ended marine

No. of Certificate

3464

Working Surface of Boilers

353A

Is it fitted with a watertight door

yes

worked from top platform

Is it fitted with a watertight door

yes

worked from top platform

Is it fitted with a watertight door

yes

Working Pressure

180

Tested by hydraulic pressure to

360

Area of fire grate in each boiler

44

No. and Description of Safety Valves to

each boiler be worked separately

yes

Area of each valve

4.90

Area

IS A DONKEY BOILER FITTED? no

SPARE GEAR. State the articles supplied: - Two connecting rods top and bottom end bolts
two main bearing bolts one set of coupling bolts one set of feed and bridge
iron and bolts of various sizes.

The foregoing is a correct description,
FOR THE NORTH EASTERN MARINE ENGINEERING CO. LD

Geo. D. New.

Manufacturer.

Dates of Survey while building { During progress of work in shops - 1917 Oct 16 Nov 121 Dec 7 1918 Jan 18 22 28 Feb 12 24 26 7 12 14 22 Mar 4 12 19 21 25 27 28 Apr 4
During erection on board vessel - - -
Total No. of visits 26

Dates of Examination of principal parts - Cylinders 2-2-18 Slides 4-3-18 Covers 7-2-18 Pistons 5-2-18 Rods 1-2-18
Connecting rods 14-2-18 Crank shaft 4-2-18 Thrust shaft 4-2-18 Tunnel shafts 4-2-18 Screw shaft 14-2-18 Propeller 2-2-18
Stern tube 1-2-18 Steam pipes tested 19-3-18 Engine and boiler seatings 12-3-18 Engines holding down bolts 27-3-18
Completion of pumping arrangements 4-4-18 Boilers fixed 21-3-18 Engines tried under steam 28-3-18
Main boiler safety valves adjusted 28-3-18 Thickness of adjusting washers 16-3-18
Material of Crank shaft 2 1/2" steel Identification Mark on Do. 3064NWC Material of Thrust shaft 2 1/2" steel Identification Mark on Do. 3064NWC
Material of Tunnel shafts 2 1/2" steel Identification Marks on Do. 3064NWC Material of Screw shafts 2 1/2" steel Identification Marks on Do. 3064NWC
Material of Steam Pipes Lap welded wrought iron
Is an installation fitted for burning oil fuel no
Have the requirements of Section 49 of the Rules been complied with yes
Is this machinery duplicate of a previous case yes
General Remarks (State quality of workmanship, opinions as to class, &c.)
The materials and workmanship are good.
The machinery has been constructed under special survey and is eligible in
opinion for classification and the record + LMC 4, 18

It is submitted that
this vessel is eligible for
THE RECORD. + LMC 4, 18.

Confirmation (if required) as to the name of the vessel to be entered in the Register of Shipping.

The amount of Entry Fee £ 2
Special £ 31
Donkey Boiler Fee £
Travelling Expenses (if any) £

When applied for, 12 APR 1918
When received, 29-4-1918

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping

Committee's Minute

Assigned

TUE APR 16 1918
+ LMC 4, 18



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