

REPORT ON MACHINERY.

No. 9281

WED. 29 MAR. 1916

Received at London Office

of writing Report

in Survey held at

Book.

5 on the

ater

gines made at

ilers made at

gistered Horse Power

m. Horse Power as per Section 28

GINES, &c.—Description of Engines

na. of Cylinders

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

the propeller boss

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

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

Dia. of Tunnel shaft

ollars

No. of Feed pumps

No. of Bilge pumps

No. of Donkey Engines

Engine Room

No. of Bilge Injections

Are all the bilge suction pipes fitted with roses

Are all connections with the sea direct on the skin of the ship

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

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel

What pipes are carried through the bunkers

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

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

Dates of examination of completion of fitting of Sea Connections

Is the Screw Shaft Tunnel watertight

OILERS, &c.—(Letter for record

Total Heating Surface of Boilers

Working Pressure

Can each boiler be worked separately

each boiler

Smallest distance between boilers or uptakes and bunkers or woodwork

Thickness

long. seams

Per centages of strength of longitudinal joint

Size of compensating ring

Length of plain part

Working pressure of furnace by the rules

Pitch of stays to ditto: Sides

Material of stays

Material

Diameter at smallest part

Thickness

Diameter of tubes

Pitch across wide water spaces

thickness of girder at centre

Working pressure by rules

separately

holes

If stiffened with rings

Working pressure of end plates

Built at

By whom built

By whom made

By whom made

Owners

Is Refrigerating Machinery fitted for cargo purposes

No. of Cylinders

No. of Cranks

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

Port of

Date, First Survey

Last Survey

(Number of Visits

Tons

When built

when made

when made

Port belonging to

Is Electric Light fitted

No. of Cranks

Material of

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

By whom built

By whom made

By whom made

By whom made

Owners

Is Refrigerating Machinery fitted for cargo purposes

No. of Cylinders

No. of Cranks

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

By whom built

By whom made

By whom made

By whom made

Owners

Is Refrigerating Machinery fitted for cargo purposes

No. of Cylinders

No. of Cranks

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

as per rule

as fitted

By whom built

By whom made

By whom made

By whom made

Owners

Is Refrigerating Machinery fitted for cargo purposes

No. of Cylinders

No. of Cranks

as per rule

as fitted

IS A DONKEY BOILER FITTED? *No*

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied: - *Two top & two bottom-end connecting rod bolts & nuts. Two main bearing bolts & nuts. One set of coupling bolts & nuts. One set of feed and bilge pump valves. Main & donkey feed check valves. Assorted bolts & nuts etc.*

The foregoing is a correct description.

For Smiths Dock Co Ltd

A. H. Scott

Manufacturer.

Dates of Survey while building { During progress of work in shops - - } *1915 Dec. 13, 16, 20, 24, Jan. 7, 11, 14, 18, 19, 21, 22, 23, Feb. 3, 5, 7, 9, 16, 18, 23, 24, Mar. 2, 3, 8, 13, 14, 16, 17.*
{ During erection on board vessel - - - }
Total No. of visits *29.*

Is the approved plan of main boiler forwarded herewith ☒

" " " donkey " " "

Dates of Examination of principal parts—Cylinders *7.1.16* Slides *7.2.16* Covers *7.2.16* Pistons *11.1.16* Rods *11.1.16*
Connecting rods *3.2.16* Crank shaft *24.9.15* Thrust shaft *17.11.15* Tunnel shafts *None* Screw shaft *26.11.15* Propeller *21.1.16*
Stern tube *21.1.16* Steam pipes tested *3.3.16* Engine and boiler seatings *3.2.16* Engines holding down bolts *2.3.16*
Completion of pumping arrangements *14.3.16* Boilers fixed *17.3.16* Engines tried under steam *14.3.16*
Main boiler safety valves adjusted *14.3.16* Thickness of adjusting washers *PV 1/4" SV 1/4"*

Material of Crank shaft *Steel* Identification Mark on Do *4132GAH* Material of Thrust shaft *Iron* Identification Mark on Do *4132GAH*

Material of Tunnel shafts *None* Identification Marks on Do. ☒ Material of Screw shafts *Iron* Identification Marks on Do *4132GAH*

Material of Steam Pipes *Solid drawn copper* Test pressure *360 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 *L. S. "Harfat Castle" Ind. Rpt.*

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

The Engines of this vessel have been constructed under Special Survey, and are of good material and workmanship.

The Engines and Boiler of this vessel have been fitted and secured on board in accordance with the Rules.

They are now in good working condition and in my opinion eligible to have the notation of +LMC 3.16 in the Register Book.

It is submitted that
this vessel is eligible for
THE RECORD + LMC 3.16

G. R. R.

J. W. D.
30/3/16

K. E. S.

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

The amount of Entry Fee ... £ *1 : 0* :
Special ... £ *7 : 13* :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, *28/3/1916*
When received, *19/4/16*

Committee's Minute *FRI 31 MAR 1916*

Assigned *+LMC 3.16*

MACHINERY CERTIFICATE
WRITTEN.



© 2020

Lloyd's Register
Foundation