

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

22 NOV 1946

When handed in at Local Office

Port of

Received at London Office

22 NOV 1946

Date of writing Report

in Survey held at

Reg. Book

on the

uilt at

Engines made at

Boilers made at

Registered Horse Power

om. Horse Power as per Rule

rade for which vessel is intended

GINES, &c.—Description of Engines

ia. of Cylinders

ank shaft, dia. of journals

Intermediate Shafts, diameter

ube Shafts, diameter

ronze Liners, thickness in way of bushes

ressurepeller boss

f 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

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

at If so, state type

ropeller, dia.

Pitch

No. of Blades

Material

whether Moveable

Total Developed Surface

sq. feet

eed Pumps worked from the Main Engines, No.

Diameter

Stroke

Can one be overhauled while the other is at work

lge Pumps worked from the Main Engines, No.

Diameter

Stroke

Can one be overhauled while the other is at work

eed No. and size

Pumps connected to the

No. and size

umps How driven

Main Bilge Line

How driven

allast Pumps, No. and size

Lubricating Oil Pumps, including Spare Pump, No. and size

re two independent means arranged for circulating water through the Oil Cooler

Suctions, connected both to Main Bilge Pumps and Auxiliary

ilge Pumps:—In Engine and Boiler Room

n Pump Room

In Holds, &c.

Main Water Circulating Pump Direct Bilge Suctions, No. and size

Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges,

No. and size

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

re the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges

re all Sea Connections fitted direct on the skin of the ship

Are they fitted with Valves or Cocks

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

Are the Overboard Discharges above or below the deep water line

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

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

What Pipes pass through the bunkers

How are they protected

What pipes pass through the deep tanks

Have they been tested as per Rule

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

s the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one

mpartment to another

Is the Shaft Tunnel watertight

Is it fitted with a watertight door

worked from

MAIN BOILERS, &c.—(Letter for record

Total Heating Surface of Boilers

Which Boilers are fitted with Forced Draft

Which Boilers are fitted with Superheaters

No. and Description of Boilers

Working Pressure

S A REPORT ON MAIN BOILERS NOW FORWARDED?

S A DONKEY BOILER FITTED?

If so, is a report now forwarded?

an the donkey boiler be used for other than domestic purposes

PLANS. Are approved plans forwarded herewith for Shafting
(If not state date of approval)

Main Boilers

Auxiliary Boilers

Donkey Boilers

uperheaters

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

SPARE GEAR.

as the spare gear required by the Rules been supplied

ate the principal additional spare gear supplied

1 set spares as follows:—

1 Pair Crosshead Bolts + Nuts.

1 Pair Conn Rod " " "

1 Pair Main Bg. " " "

1 Set Coup. Bolts " " "

1 Armature.

1 Set Bearing Details

1 Set Carbon Brushes.

1 Line Brush holders

1 Set Brush Holder springs.

1 HP. Piston. & Ring.

1 L.P. " " "

1 Piston rod complete with slipper.

1 Pair Crank Pin Brasses.

1 Pair Crosshead Brasses.

1 Eccentric Strap.

2 Sets Governor springs.

The foregoing is a correct description.

H. Pledge for W. H. Allen Sons & Co. Bedford. Manufacturer.

GENERATING

Sept 6. 17. October 1. 4. 25. 29. 30

Dates of Survey while building

During progress of work in shops - - -

During erection on board vessel - - -

Total No. of visits *7*

Dates of Examination of principal parts—Cylinders *6.9.46 1.10.46* Slides *1.10.46* Covers *6.9.46 1.10.46*

Pistons *1-10-46* Piston Rods *4.10.46* Connecting rods *1-10-46*

Crank shaft *17.9.46 1.10.46* Thrust shaft ☒ Intermediate shafts ☒

Tube shaft ☒ Screw shaft ☒ Propeller ☒

Stern tube ☒ Engine and boiler seatings ☒ Engines holding down bolts ☒

Completion of fitting sea connections ☒

Completion of pumping arrangements ☒ Boilers fixed ☒ Engines tried under steam ☒

Main boiler safety valves adjusted ☒ Thickness of adjusting washers *1-3309-L.R. 17.9.46 (20)*

Crank shaft material *Bart Steel* Identification Mark *30H.L.R. 1.10.46 (20)* Thrust shaft material ☒ Identification Mark ☒

Intermediate shafts, material ☒ Identification Mark ☒ Tube shaft, material ☒ Identification Mark ☒

Screw shaft, material ☒ Identification Mark ☒ Test pressure ☒ Date of Test ☒

Is an installation fitted for burning oil fuel ☒ Is the flash point of the oil to be used over 150° F. ☒

Have the requirements of the Rules for the use of oil as fuel been complied with ☒

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo ☒ If so, have the requirements of the Rules been complied with ☒

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with ☒

Is this machinery duplicate of a previous case.....If so, state name of vessel ☒

General Remarks (State quality of workmanship, opinions as to class, &c. *The steam generating sets were constructed under special survey; in accordance with the requirements of the Rules and approved plans; the steel was made at Works approved by the Committee. The workmanship is good on completion the sets were tested upon the bench under full and overload conditions with satisfactory results.*

The sets have been dispatched to Glasgow for fitting on board the vessel

These generators have been satisfactorily installed, examined under working conditions & found satisfactory.

R.H. Luccan.
Glasgow.
20/6/47

The amount of Entry Fee ... £ *12* : *0* : ☐

Special ... £ : : ☐

Donkey Boiler Fee ... £ : : ☐

Travelling Expenses (if any) £ *2* : *0* : *10* ☐

When applied for, *22 NOV 1946*

When received, *19*

R.W. Coomber
Engineer Surveyor to Lloyd's Register of Shipping.

Date

Committee's Minute