

No. 81948

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

NEWCASTLE-ON-TYNE.

Survey Report

19

When handed in at Local Office

Oct 15<sup>th</sup> 1921 Port ofDate, First Survey 21<sup>st</sup> March 1927 Last Survey Oct 15<sup>th</sup> 1921

(Number of Visits 41)

Survey held at

on the

Walker

made at

made at

ed Horse Power

orse Power as per Rule

or which Vessel is intended

VES, &amp;c.—Description of Engines

Cylinders

shaft, dia. of journals

mediate Shafts, diameter

hafts, diameter

Liners, thickness in way of bushes

boss

ner 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

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

the shaft

ler, dia.

Pumps worked from the Main Engines, No.

Pumps worked from the Main Engines, No.

No. and size

How driven

Pumps, No. and size

Independent means arranged for circulating water through the Oil Cooler

Pumps, In Engine and Boiler Room

ds, &amp;c.

Pump Room

Water Circulating Pump Direct Bilge Suctions, No. and size

nd size

e 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

Sea Connections fitted direct on the skin of the ship

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

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

Pipes are carried through the bunkers

pipes pass through the deep tanks

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

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

partment to another

Is the Shaft Tunnel watertight

Is it fitted with a watertight door

N BOILERS, &amp;c.—(Letter for record

forced Draft fitted

A REPORT ON MAIN BOILERS NOW FORWARDED?

A DONKEY BOILER FITTED?

ANS. Are approved plans forwarded herewith for Shafting

(If not state date of approval)

Reheaters

General Pumping Arrangements

ARE GEAR. State the articles supplied:

carrings, 1 set coupling bolts

side &amp; spindle, 1 set pump &amp; spring

wheel thrust, 1 set pump &amp; spring

feed pumps 1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

1 set feed bilge pp valves

The foregoing is a correct description.  
FOR THE WALLSEND SLIPWAY & ENGINEERING CO. LIMITED.

A. Laming

Manufacturer.

DIRECTOR,

W421-0160



© 2019

Lloyd's Register  
Foundation

During progress of work in shops - - - { 1927  
 Dates of Survey while building { MAR. 21. 23. 31. APRIL. 6. 13. 23. MAY. 3. 5. 12. 13. 20. 23. JUNE. 2. 3. 8. 10. 13. 14. 15.  
 During erection on board vessel - - - { 16. 28. 29. 30. JULY. 5. 6. 14. 19. 21. AUGUST. 3. 9. 11. 12. 17. 23. 31. SEPT. 16. 22. 27.  
 OCT. 5. 11. 14.  
 Total No. of visits 41

Dates of Examination of principal parts—Cylinders 3-6-27. Slides 8-6-27. Covers 2-6-27  
 Pistons 10-6-27. Piston Rods 14-6-27. Connecting rods 23-5-27, 14-6-27.  
 Crank shaft 29-6-27. Thrust shaft 29-6-27. Intermediate shafts 5-4-27.  
 Tube shaft ✓. Screw shaft 5-4-27. Propeller 5-4-27.  
 Stern tube 30-6-27. Engine and boiler seatings 3-8-27. Engines holding down bolts 22-9-27.  
 Completion of pumping arrangements 27-9-27. Boilers fixed 22-9-27. Engines tried under steam 14-10-27.  
 Main boiler safety valves adjusted 5-10-27. Thickness of adjusting washers M.P.S. all 3/16. D.B. F 1/16 A 3/8.  
 Crank shaft material *Old Steel* Identification Mark 139-13, 1300H, 13005, WB. Thrust shaft material *Old Steel* Identification Mark 530  
 Intermediate shafts, material *Old Steel* Identification Marks 4470 WB. Tube shaft, material ✓ Identification Mark ✓  
 Screw shaft, material *Old Steel* Identification Mark 2678, 2679 WB. Steam Pipes, material *Old Steel* Test pressure 600 lbs. Date of Test 27-9-27  
 Is an installation fitted for burning oil fuel *yes* ✓ Is the flash point of the oil to be used over 150°F. *yes* ✓  
 Have the requirements of the Rules for carrying and burning oil fuel been complied with *yes* ✓  
 Is this machinery duplicate of a previous case *no* ✓ If so, state name of vessel ✓

**General Remarks** (State quality of workmanship, opinions as to class, &c.) The Machinery of this Vessel has been built under Special Survey. Materials & Workmanship good. Hydraulic Test satisfactory. The whole of the machinery has been efficiently installed & fixed in the Vessel & was tried under steam & is in good & safe working condition & eligible in my opinion to be classed and have records. ✱ L.M.C. 10-27. Yail Shaft C.L. "Fitted for oil fuel 10-27. Flash Point above 150°F."

It is submitted that  
 this vessel is eligible for  
**THE RECORD. + LMC 10. 27. FD. CL.**  
 Fitted for oil fuel 10.27. FP above 150°F.

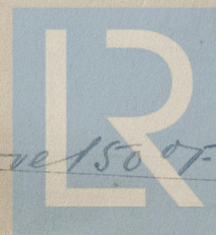
The amount of Entry Fee ... £ 5 : 0 0  
 Special ... £ 88 : 6 0  
 Donkey Boiler Fee ... £ 6 : 16 0  
 Travelling Expenses (if any) £ : :  
 When applied for, 13 OCT 1927  
 When received, 15 OCT 1927

Committee's Minute TUES. 25 OCT 1927

Assigned

+ L.M.C. 10:27 F.D. CL.  
 Fitted for Oil Fuel 10:27 FP above 150°F.

Engineer Surveyor to Lloyd's Register of Shipping.



© 2019

Lloyd's Register  
 Foundation