

REPORT ON MACHINERY.

No. 28876

Date of writing Report

When handed in at Local Office

21 JUL 1924

Port of SUNDERLAND

Received at London Office

JUL 29 1924

No. in Survey held at
Reg. Book.

SUNDERLAND

Date, First Survey

20 April 1924

Date, Last Survey

21 July 1924

(Number of Vessels)

50

on the SS MERVYN

Tons Gross 3100

Net 2066

Master

Built at Sunderland

By whom built Messrs R. Thompson & Sons (321)

When built 1924

Engines made at Sunderland

By whom made Messrs G. Clark & Co. (1132)

when made 1924

Boilers made at Sunderland

By whom made Messrs G. Clark & Co. (1132)

when made 1924

Registered Horse Power

Owners Martyn, Martyn & Co.

Port belonging to Cardiff

Nom. Horse Power as per Section 28 322

Is Refrigerating Machinery fitted for cargo purposes NO

Is Electric Light fitted YES

ENGINES, &c.—Description of Engines Triple

No. of Cylinders 3

No. of Cranks 3

Dia. of Cylinders 24, 40, 66

Length of Stroke 42

Revs. per minute 65

Dia. of Screw shaft 13.3

Material of screw shaft Stal

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

Is the after end of the liner made water tight

in the 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

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

If two

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

Length of stern bush 4.7

Dia. of Tunnel shaft 11.28

Dia. of Crank shaft journals 12.36

Dia. of Crank pin 12.7

Size of Crank webs 8x18.5

Dia. of thrust shaft under

collars 12.2

Dia. of screw 16.6

Pitch of Screw 16.6

No. of Blades 4

State whether moveable NO Total surface 85.5

No. of Feed pumps 2

Diameter of ditto 3.4

Stroke 25

Can one be overhauled while the other is at work YES

No. of Bilge pumps 2

Diameter of ditto 3.4

Stroke 25

Can one be overhauled while the other is at work YES

No. of Donkey Engines 3

Sizes of Pumps 9x11, 9x7, 8x5, 8x5 No. and size of Suctions connected to both Bilge and Donkey pumps

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

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In Engine Room 30 2.2

In Holds, &c. No. 1 20 2.2 No. 2 20 3.4 No. 3 20 3.4

W422-0014

IS A DONKEY BOILER FITTED? **YES** If so, is a report now forwarded? **YES**
SPARE GEAR. State the articles supplied: *Two top end & two bottom end connecting rod bolts & nuts
two main bearing bolts, one at coupling bolts, one at fuel & bilge pump valves assorted
bolts & nuts, 2000 various sizes.*

The foregoing is a correct description,
FOR GEORGE CLARK LIMITED

W. G. S. MULL

Manufacturer.

Dates of Survey while building { During progress of work in shops - - *28/ Apr. 20.26, May 7.24, June 16.18.19, July 3.16.23.31, Aug. 12.20.28.29, Sep. 5.12.17, Oct. 12.29.*
During erection on board vessel - - *31/ Nov. 8.9.14.23, Dec. 21.24, Jan. 10.17.25.21, Feb. 19, Mar. 4.26, Apr. 23.29, May, 14.21.30, June 16.20.21*
Total No. of visits *50* Is the approved plan of main boiler forwarded herewith **YES**

Dates of Examination of principal parts—Cylinders *29.10.23* Slides *12.10.23* Covers *31.7.23* Pistons *12.10.23* Rods *29.10.23*
Connecting rods *29.10.23* Crank shaft *20.8.23* Thrust shaft *19.2.24* Tunnel shafts *19.2.24* Screw shaft *19.2.24* Propeller *23.4.24*
Stern tube *14.5.24* Steam pipes tested *14.5.24* Engine and boiler seatings *1.7.24* Engines holding down bolts *1.7.24*
Completion of pumping arrangements *1.7.24* Boilers fixed *1.7.24* Engines tried under steam *8.7.24*
Main boiler safety valves adjusted *8.7.24* Thickness of adjusting washers *Port 1 1/2 P 5 7/8 Star 1 1/2 P 5 7/8*
Material of Crank shaft *Steel* Identification Mark on Do. *1132 GAH* Material of Thrust shaft *Steel* Identification Mark on Do. *1132 GAH*
Material of Tunnel shafts *Steel* Identification Marks on Do. *1132 GAH* Material of Screw shafts *Steel* Identification Marks on Do. *1132 GAH*
Material of Steam Pipes *Iron* Test pressure *600 lbs sq*
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 **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 the materials and workmanship are found good and under the vessel slight in my opinion to have credit of T.L.M.C. 7.24

It is submitted that
this vessel is eligible for
THE RECORD. + L.M.C. 7.24. CL.

W.D.
31/7/24
J.R.S.

The amount of Entry Fee ... £ *5* : When applied for, *11 JUL 1924*
Special ... £ *73* : 6
Donkey Boiler Fee ... £
Travelling Expenses (if any) £

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

Committee's Minute *FRI 1 AUG 1924*
Assigned *+ Lmb 7.24*

