

Received at London Office

12 NOV 1926

Date of writing Report 11 Nov 1926 When handed in at Local Office 11 Nov 1926 Port of Leith

No. in Survey held at Leith Date, First Survey 12 Jan 1926 Last Survey 11 Nov 1926

Reg. Book. on the Steam Tug "Kaurice" (Number of Visits 36)

Master Built at Leith By whom built Geo Somerville & Co (No 135) When built 1926

Engines made at Leith By whom made Geo Somerville & Co (No 247) when made 1926

Boilers made at Glasgow By whom made The North P. & S. Co (1921) Ltd when made 1926

Registered Horse Power Owners Crown Agents for the Colonies Port belonging to

Nom. Horse Power as per Section 28 107 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines Compound No. of Cylinders 2 No. of Cranks 2

Dia. of Cylinders 21", 44" Length of Stroke 27" Revs. per minute 110 Dia. of Screw shaft as per rule 9.6 Material of screw shaft as fitted 10.4" steel

Is the screw shaft fitted with a continuous liner the whole length of the stern tube No liners Is the after end of the liner made water tight in the propeller boss gland 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 41"

Dia. of Tunnel shaft as per rule 8.4 Dia. of Crank shaft journals as per rule 8.82 Dia. of Crank pin 9.2" Size of Crank webs 6.2" x 17.4" Dia. of thrust shaft under collars 9.3" Dia. of screw 10-0" Pitch of Screw 12-0" No. of Blades 4 State whether moveable No Total surface 39 sq ft

No. of Feed pumps 2 Diameter of ditto 2.5" Stroke 15" Can one be overhauled while the other is at work Yes

No. of Bilge pumps 2 Diameter of ditto 2.5" Stroke 15" Can one be overhauled while the other is at work Yes

No. of Donkey Engines 2 Sizes of Pumps 5" x 7" x 12" 6" x 4" x 6" No. and size of Suctions connected to both Bilge and Donkey pumps In Engine Room 1-2 1/4 : 1-2 1/4 spec : 1-2" in stock In Holds, &c. Ford 1-2 : 4 ft 1-2 1/4

No. of Bilge Injections 1 sizes 5" Connected to condenser, or to circulating pump pump Is a separate Donkey Suction fitted in Engine room & size Yes-2 1/4"

Are all the bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible

Are all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks both

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Discharge Pipes above or below the deep water line above

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes

What pipes are carried through the bunkers steam pipes How are they protected steel trunk

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

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

Is the Screw Shaft Tunnel watertight None Is it fitted with a watertight door worked from

BOILERS, &c.—(Letter for record) Manufacturers of Steel

Total Heating Surface of Boilers 1910 sq ft Is Forced Draft fitted No No. and Description of Boilers One single Ended

Working Pressure 130 lbs Tested by hydraulic pressure to 245 lbs Date of test 19.4.26 No. of Certificate 17103

Can each boiler be worked separately Area of fire grate in each boiler 57.75 sq ft No. and Description of Safety Valves to each boiler double spring loaded Area of each valve 8.29 sq in Pressure to which they are adjusted 135 lbs Are they fitted with easing gear Yes

Smallest distance between boilers or uptakes and bunkers or woodwork 6ft 16" Mean dia. of boilers Length Material of shell plates

Thickness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams

long. seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps

Per centages of strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell

Size of compensating ring No. and Description of Furnaces in each boiler Material Outside diameter

Length of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings

bottom Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom

Pitch of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules

Material of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:

Material Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays

Area at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom

Thickness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules

Diameter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays

Pitch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and

thickness of girder at centre Length as per rule Distance apart Number and pitch of stays in each

Working pressure by rules Steam dome: description of joint to shell % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

IS A DONKEY BOILER FITTED?

no

If so, is a report now forwarded?

✓

SPARE GEAR. State the articles supplied:— 2 connecting rod top end bolts & nuts :
2 connecting rod bottom end bolts & nuts : 2 main bearing bolts :
1 set of coupling bolts : 1 set of feed & bilge pump valves :
a quantity of assorted bolts & nuts : 400 of various sizes :
Spare tail shaft :

The foregoing is a correct description,

JOHN CRAN & SOMERVILLE, LTD

John Cran, Secretary

Manufacturer.

1926

Dates of Survey while building { During progress of work in shops -- Jan 12. 16. 20. 21 Feb 16. 25. Mar. 2. 10. 15. 17. 25. Apr. 7. 14. 29. May 6. 7. 13. 19. 25. 26
During erection on board vessel -- May 31 June 1. 2. 3. 8. 9. 11. 16. 17. 19. 22 28. 29. 30. July 5. Nov 11
Total No. of visits 36

Is the approved plan of main boiler forwarded herewith

yes

" " " donkey " " "

✓

Dates of Examination of principal parts—Cylinders 25.2.26 Slides 25.3.26 Covers 10.3.26 Pistons 25.3.26 Rods 19.5.26

Connecting rods 14.4.26 Crank shaft 10.2.26 Thrust shaft 10.2.26 Tunnel shafts 7.4.26 Screw shaft 7.4.26 Propeller 14.4.26

Stern tube 14.4.26 Steam pipes tested 2.6.26 Engine and boiler seatings 26.5.26 Engines holding down bolts 15.6.26

Completion of pumping arrangements 30.6.26 Boilers fixed 28.6.26 Engines tried under steam 30.6.26

Completion of fitting sea connections 7.5.26 Stern tube 7.5.26 Screw shaft and propeller 7.5.26

Main boiler safety valves adjusted 29.6.26 Thickness of adjusting washers S.V. 15/32 P.V. 15/32

Material of Crank shaft Steel Identification Mark on Do. 1323 Material of Thrust shaft Steel Identification Mark on Do. 1323

Material of Tunnel shafts Steel Identification Marks on Do. 1377 Material of Screw shafts Steel Identification Marks on Do. 1376

Material of Steam Pipes Solid drawn copper Test pressure 260 lb

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 material and workmanship being good, and proved satisfactory on steam trial

It is submitted that this vessel be eligible to a record of + L.M.C. 11.26 in the Register Book.

It is submitted that this vessel is eligible for THE RECORD + LMC 11.26. OG.

The amount of Entry Fee ... £ 3 : - :
Special 3/5 ... £ 16 : 1 :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :

When applied for,

11-11-1926

When received,

22-12-1926

A. T. Thomas

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUES. 16 NOV 1926

Assigned

+ L.M.C. 11.26 OG.

CERTIFICATE WRITTEN



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