

REPORT ON MACHINERY

No. 81543

Reporting Report 18 FEB 1919

When handed in at Local Office

18 FEB 1919

Received at London Office

18 FEB 1919

Survey held at Faversham
on the M.S. "No. 1126"Date, First Survey Dec 23rd 1918 Last Survey Jan 13th 1919

(Number of Visits)

Built at Faversham By whom built James Pollock Sons & Co.
When built 1919
Made at Stockholm By whom made J. & S. Bolinders Luccombe & Co.
When made Fitted 1919
By whom made when made

Horse Power 120 BHP Owners

Port belonging to

Horse Power as per Section 28 34

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

Description of Engines Bolinders Two Stroke No. of Cylinders 2 No. of Cranks 2

Cylinders 15" 6" 380 m/m Length of Stroke 16" 8" Revs. per minute 250 Dia. of Screw shaft as per rule 5.61 Material of screw shaft as fitted 5.32

Screw shaft fitted with a continuous liner the whole length of the stern tube no liner Is the after end of the liner made water tight

Propeller boss If the liner is in more than one length are the joints burned If the liner does not fit tightly at the port

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

fitted, is the shaft lapped or protected between the liners Length of stern bush 1.10 3/4

Dia. of Crank shaft journals as per rule 5.51 Dia. of Crank pin 6.1 Size of Crank webs 9.18 x 3.5 Dia. of thrust shaft under

Dia. of screw 5.2 1/2 Pitch of Screw 3.9 1/2 No. of Blades 3 State whether moveable 20 Total surface 10.5 1/2

Diameter of ditto Stroke Can one be overhauled while the other is at work

Diameter of ditto 3 Stroke 4 Can one be overhauled while the other is at work

Donkey Engines 1 (unit) Sizes of Pumps 3 1/2 x 3 1/2 No. and size of Suctions connected to both Bilge and Donkey pumps

In Holds, &c. 2 - 2

Is a separate Donkey Suction fitted in Engine room & size Yes 2"

Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible

Are they Valves or Cocks Cocks

Are the Discharge Pipes above or below the deep water line Above

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

How are they protected

Is it fitted with a watertight door worked from

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

Is Forced Draft fitted No. and Description of Boilers

Pressure Tested by hydraulic pressure to Date of test No. of Certificate

Area of fire grate in each boiler No. and Description of Safety Valves to

Area of each valve Pressure to which they are adjusted Are they fitted with easing gear

Mean dia. of boilers Length Material of shell plates

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

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

Working pressure of shell by rules Size of manhole in shell

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

Thickness of plates Description of longitudinal joint No. of strengthening rings

Combustion chamber plates: Material Thickness: Sides Back Top Bottom

If stays are fitted with nuts or riveted heads Working pressure by rules

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

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

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

Thickness Greatest pitch of stays Working pressure of plate by rules

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

Working pressures by rules Girders to Chamber tops: Material Depth and

Length as per rule Distance apart Number and pitch of stays in each

Steam dome: description of joint to shell % of strength of joint

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

Working pressure of shell by rules Crown plates Thickness How stayed

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

Pressure to which each is adjusted Is Easing Gear fitted

SUPERHEATER. Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

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

Pressure to which each is adjusted Is Easing Gear fitted

Is Easing Gear fitted

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Is Easing Gear fitted

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR.

State the articles supplied:— Two connecting rod top end bolts, two bottom bolts, two main bearing bolts, set of coupling bolts, set circulating bilge pump valves, eight piston springs, cylinder head studs, eccentric rod bolts, rocker arm pin with stop ring, regulator screw & a quantity of assorted bolts & nuts, iron, etc.

JAMES POLLOCK, SONS & CO. LTD.

The foregoing is a correct description,

LONDON, E.C. 3.

J. Pollock

Manufacturer.

Dates of Survey while building { During progress of work in shops - (1918) Dec 23, 31 (1919) Jan 15
During erection on board vessel - - -
Total No. of visits 3

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

Dates of Examination of principal parts—Cylinders 14/11/18 Slides ✓ Covers 14/11/18 Pistons 14/11/18 Rods
Connecting rods 14/11/18 Crank shaft 14/11/18 Thrust shaft 14/11/18 Tunnel shafts 17/6/18 Screw shaft 17/8/18 Propeller
Stern tube 17/6/18 Steam pipes tested ✓ Engine and boiler seatings 14/11/18 Engines holding down bolts 23
Completion of pumping arrangements 23/12/18 Boilers fixed ✓ Engines tried under power 15/1/19
Completion of fitting sea connections 14/11/18 Stern tube 14/11/18 Screw shaft and propeller 14/11/18
Main boiler safety valves adjusted ✓ Thickness of adjusting washers ✓

Material of Crank shaft steel Identification Mark on Do. ✓ Material of Thrust shaft steel Identification Mark on Do.
Material of Tunnel shafts steel Identification Marks on Do. T.R.B. Material of Screw shafts steel Identification Marks on Do.
Material of Steam Pipes ✓ Test pressure ✓

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

Have the requirements of Section 49 of the Rules been complied with Yes ✓

Is this machinery duplicate of a previous case N. Type If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c. The engine (2-11026/7)

This vessel was removed from the wreck of the M.S. "Gonty" after being in use a short time. It was not constructed under Survey but has been opened up & the working parts carefully examined. There is no appreciable wear & this engine is in my opinion in new condition. It has been securely fitted on board in accordance with the Rules & satisfactorily tried under working conditions.

The fuel tanks have been tested in place by hydraulic pressure to 10 lbs per sq. inch. Efficient drip trays are provided. A Brimmar Fire Extinguisher has been supplied in addition to sand boxes.

This vessel is in my opinion eligible to have record L.M.C. 1.19. in the Register Book. It is submitted that this vessel is eligible for

The amount of Entry Fee ... £ 1 : 0 : 0 When applied for, 20/2/19
Special ... £ 8 : 0 : 0
Donkey Boiler Fee ... £ : : :
Travelling Expenses (if any) £ 2 : 18 : 0 When received, 19 Nov 24

H. G. Barker-Smith, Engineer Surveyor to Lloyd's Register of Ships

Committee's Minute

TUE FEB 25 1919

Assigned

L.M.C. 1.19
H.B. 16 refused 19
oil engines

TUE 13 MAY 1919

TUE 19 AUG 1919

TUE 2 MAR 1920

FRI JUL 2 1920

Lloyd's Register Foundation