

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 10 SEP 1945

Date of writing Report 19 When handed in at Local Office 7 SEP 1945 19 Port of Hull

No. in Survey held at Thorne Date, First Survey 13.3.45 Last Survey 2.7.1945
Reg. Book (Number of Visits)

on the Steam Coaster Lighter "Vic 95" A/M 1073 Tons { Gross 146.49
Net 51.47

Built at Thorne By whom built Richard Dutton L. Yard No. T577 When built 1945

Engines made at Beccles By whom made Elliott Garrod Engine No. 692 When made 1

Boilers made at Annan By whom made Buchanan & Co (Annan) L⁴² Boiler No. 16046 When made 1

Registered Horse Power Owners Ministry of War Transport Port belonging to Hull
managed by Heston Zottel & Wilson

Nom. Horse Power as per Rule 24 Is Refrigerating Machinery fitted for cargo purposes NO Is Electric Light fitted NO

Trade for which vessel is intended Coastal Service

ENGINES, &c.—Description of Engines Compound Reciprocating 112694 Revs. per minute 150

Dia. of Cylinders 10 1/2" / 22" Length of Stroke 14" No. of Cylinders Two No. of Cranks Two

Crank shaft, dia. of journals as per Rule 4.13 as fitted 4 3/8" Crank pin dia. 4 3/8" Mid. length breadth shrunk Thickness parallel to axis 2 1/8" Mid. length thickness shrunk Thickness around eye-hole 2"

Intermediate Shafts, diameter as per Rule as fitted Thrust shaft, diameter at collars as per Rule 4.26 as fitted 4 3/8"

Tube Shafts, diameter as per Rule as fitted Screw Shaft, diameter as per Rule 4 7/8 as fitted 4 7/8 Is the { tube screw } shaft fitted with a continuous liner { No

Bronze Liners, thickness in way of bushes as per Rule as fitted Thickness between bushes as per Rule as fitted Is the after end of the liner made watertight in the propeller boss ✓ If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner ✓

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 ✓ Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft Yes If so, state type Crabtree Length of Bearing in Stern Bush next to and supporting propeller 20"

Propeller, dia. 66" Pitch 86" No. of Blades 4 Material C1 whether Moveable No Total Developed Surface 11.6 sq. feet

Feed Pumps worked from the Main Engines, No. One Diameter 2 1/8" Stroke 6" Can one be overhauled while the other is at work ✓

Bilge Pumps worked from the Main Engines, No. One Diameter 2 1/8" Stroke 6" Can one be overhauled while the other is at work ✓

Feed Pumps { No. and size 1 as above. 1 Plain 800 gals/hr. Pumps connected to the { No. and size 1 as above. 1 off 5 1/4" x 4 3/4" x 5" How driven MR Int. Stm. Main Bilge Line How driven ME Int. Stm.

Ballast Pumps, No. and size 1 off 5 1/4" x 4 3/4" x 5" as above Lubricating Oil Pumps, including Spare Pump, No. and size ✓

Are two independent means arranged for circulating water through the Oil Cooler ✓ Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps:—In Engine and Boiler Room 1-2" In Pump Room ✓ In Holds, &c. 1-2"

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1-2" Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1-2"

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

Are 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. Yes

Are all Sea Connections fitted direct on the skin of the ship ✓ Are they fitted with 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 Overboard Discharges 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 pass through the bunkers. None How are they protected. ✓

What pipes pass through the deep tanks. None Have they been tested as per Rule. ✓

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

Is 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 compartment to another. Yes Is the Shaft Tunnel watertight. Tunnel part Eng. Room Is it fitted with a watertight door. ✓ worked from. ✓

MAIN BOILERS, &c.—(Letter for record 5) Total Heating Surface of Boilers 525 sq. ft.

Which Boilers are fitted with Forced Draft. None Which Boilers are fitted with Superheaters. None

No. and Description of Boilers One vertical boiler Working Pressure 125 lb 120 lb

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED? ✓ If so, is a report now forwarded? ✓

Can the donkey boiler be used for domestic purposes only. ✓

PLANS. Are approved plans forwarded herewith for Shafting 28-10-41 Main Boilers 30-11-43 Auxiliary Boilers. ✓ Donkey Boilers. ✓

(If not state date of approval)

Superheaters. ✓ General Pumping Arrangements 8.5.44 Oil fuel Burning Piping Arrangements. ✓

SPARE GEAR.

Has the spare gear required by the Rules been supplied. Only spare propeller supplied.

State the principal additional spare gear supplied. None

The foregoing is a correct description.

Manufacturer.



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"Vic 95"

Dates of Survey while building	During progress of work in shops - -	Le Spanish Report No. 112694	
	During erection on board vessel - - -	1945 MAR 13, 19, 21, 26, 28, APR 5, 11, 17, 23, MAY 23, JUN 12, 25, JUL 2	
	Total No. of visits	13	
Dates of Examination of principal parts—Cylinders..... Slides..... Covers.....			
Pistons.....	Piston Rods.....	Connecting rods.....	
Crank shaft.....	Thrust shaft.....	Intermediate shafts.....	
Tube shaft.....	Screw shaft.....	28. 3. 45	Propeller..... 28. 3. 45
Stern tube.....	Engine and boiler seatings.....	23. 10. 45	Engines holding down bolts.....
Completion of fitting sea connections.....		28. 3. 45	
Completion of pumping arrangements.....		25. 6. 45	Boilers fixed..... 23. 5. 45
Main boiler safety valves adjusted.....		25. 6. 45	Engines tried under steam..... 25-6-45
Crank shaft material.....		Identification Mark.....	Thrust shaft material.....
Intermediate shafts, material.....		Identification Marks.....	Tube shaft, material.....
Screw shaft, material.....		Identification Mark.....	Steam Pipes, material.....
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 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.....		NO	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.....		Yes	If so, state name of vessel..... VIC 94
General Remarks (State quality of workmanship, opinions as to class, &c.)			

The above machinery was installed in Vic 95 at Thorne in accordance with the Specification, the Rules, the Secretary's letters and approved plans. The materials and workmanship are good. Machinery tried under working conditions and found satisfactory. Eligible in our opinion to be classed LMC 7, 45. O.G. C 2 Cy. 10 1/2" & 22" - 14" 24 NHP. One vertical boiler 120 lb GS 25 lb HS 525 lb.

Total fee 19-0-0
M. E. 8-0-0 already charged
Boiler 4-4-0
Balance for fitting out 6-16-0

The amount of Entry Fee ... £	:	:	When applied for,
Balance for fitting out Special ... £	6-16-0	:	7 SEP 1945
Donkey Boiler Fee ... £	:	:	When received,
Travelling Expenses (if any) £	:	:	19

Committee's Minute ...

Assigned ... LMC 7, 45

O.G.

W. Shields & J. McLean
Engineer Surveyor to Lloyd's Register of Shipping.



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