

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report 4-4-42 When handed in at Local Office
 No. in Survey held at Hull
 Reg. Book.

10 APR 1942

Port of

HULL

Date, First Survey 19. 8. 41.

Last Survey 2. 4. 1942.

(Number of Visits 47)

Tons } Gross 601
 Net 5.

on the S. Tug ADHERENT.

Built at SELBY.

By whom built Cochrane & Son, Ltd

Yard No. 1238. When built 1942-4

Engines made at HULL.

By whom made Chas. D. Holmes & Co. Ltd Engine No. 1597. When made do

Boilers made at HULL.

By whom made Chas. D. Holmes & Co. Ltd Boiler No. 1597. When made do

Registered Horse Power

Owners The Admiralty

Port belonging to

Nom. Horse Power as per Rule 222

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

Yes

Trade for which Vessel is intended

Towing

ENGINES, &c.—Description of Engines Triple Expansion.

Revs. per minute 122

Dia. of Cylinders 17"-28"-46" Length of Stroke 33" No. of Cylinders 3

No. of Cranks 3

Crank shaft, dia. of journals as per Rule 9.46. Crank pin dia. 9.5" Crank webs Mid. length breadth

Thrust shaft, diameter at collars as per Rule 9.46. as fitted 9.5"

Intermediate Shafts, diameter as per Rule 9.01. as fitted 9.5"

Tube Shafts, diameter as per Rule 9.99. as fitted 10.4"

Screw Shaft, diameter as per Rule 6.01. as fitted 6.01"

Bronze Liners, thickness in way of bushes as per Rule 2.32. as fitted 2.32"

Thrust shaft, diameter at collars as per Rule 9.46. as fitted 9.5"

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

Propeller, dia. 11'-9" Pitch 12'-0" No. of Blades 4 Material C.I. whether Moveable No.

Feed Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 18" Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 18" Can one be overhauled while the other is at work

Feed Pumps No. and size One 7"x5"x6" Duplex Pumps connected to the Main Bilge Line

Ballast Pumps, No. and size One 7"x7"x8" Lubricating Oil Pumps, including Spare Pump, No. and size NONE

Are two independent means arranged for circulating water through the Oil Cooler NONE

Bilge Pumps;—In Engine and Boiler Room 2 @ 2 1/2" 58 gpm Ejector and 4 @ 1 1/2" Suctions in gutterways

In Pump Room Cofferdam one @ 2" In Holds, &c. one each of the following @ 2" Dia Fore Peak.

Main Water Circulating Pump Direct Bilge Suctions, No. and size 6"

Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 2" Reg Ejector

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

Are all Sea Connections fitted direct on the skin of the ship

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

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

What Pipes pass through the bunkers

What pipes pass through the deep tanks

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

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

Is the Shaft Tunnel watertight

Is it fitted with a watertight door

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The foregoing is a correct description.
 FOR CHARLES D. HOLMES & CO., LTD.

W. R. Evans

Manufacturer.



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Lloyd's Register Foundation

W322-0146

ADHERENT.

Dates of Survey while building	During progress of work in shops --	1941. Aug. 19. 27. 29. Sept. 2. Nov. 21. Dec. 1. 5. 10. 12. 15. 19. 23. 29. 30.
	During erection on board vessel --	1942. Jan. 8. 13. 15. 20. 21. 26. 28. Feb. 2. 3. 4. 6. 9. 12. 16. 18. 19. 20. 23. 24. 26.
		Mar. 2. 5. 6. 7. 12. 16. 18. 19. 23. 26. 28. Apr. 1. 2.
Total No. of visits		47.

Dates of Examination of principal parts—Cylinders 12/12/41 19/12/41 Slides Covers 12/12/41 19/12/41

Pistons 2/11/41 5/12/41 1/12/41 Piston Rods 2/11/41 5/12/41 Connecting rods 19/12/41

Crank shaft 19-12-41 Thrust shaft 15/12/41 Intermediate shafts 29/12/41

Tube shaft None. Screw shaft 19-8-41 Propeller 19.8.41

Stern tube 2.9.41. Engine and boiler seatings 2.9.41. Engines holding down bolts 26.8.42

Completion of fitting sea connections 2.9.41.

Completion of pumping arrangements 18.3.42. Boilers fixed 26.2.42. Engines tried under steam 18.3.42.

Main boiler safety valves adjusted 18.3.42 Thickness of adjusting washers 3/8" 16/41

Crank shaft material M.S. Identification Mark 6084. AEG. 16/41. Thrust shaft material M.S. Identification Mark 6085. AEG. 16-9-41.

Intermediate shafts, material M.S. Identification Marks 6086. AEG. 19-9-41. Tube shaft, material None. Identification Mark —

Screw shaft, material M.S. Identification Mark 15260. Steam Pipes, material Steel Test pressure 630.8/10 Date of Test 3/3/42

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 the use of oil as fuel been complied with Yes

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 Yes

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with No

Is this machinery duplicate of a previous case. Yes. If so, state name of vessel ADEPT

General Remarks (State quality of workmanship, opinions as to class, &c.)

The Machinery of this Kessel has been fitted on board under Special Survey in accordance with the approved plans, the Rules & the Specification.

The Workmanship & materials are good & when tried under steam it was found satisfactory in every respect.

It is eligible, in our opinion, to have the record of ~~129~~ L.M.C. 42.
C.L. & the notations of T. 3 Cy. $17^{\circ} 28' 46''$ 210 lbs 222 MHP. 1 SB. 3 Cf.
MS 3530. F.D

The amount of Entry Fee	...	£	:	:	When applied for, 10 APR 1942
Special	...	£	100	0	
Donkey Boiler Fee	...	£	:	:	
Travelling Expenses (if any)	£	:	:		
					When received,
					19.....

Committee's Minute

Assigned