

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 10 JUL 1942

Date of writing Report 6. 6. 1942 When handed in at Local Office 8 JUL 1942 Port of HULL.
 No. in Survey held at HULL. Date, First Survey 25. 11. 41. Last Survey 4. 6. 1942
 Reg. Book (Number of Visits 51)
 on the H.M.T. **DUNKERY.** Tons Gross 511 Net 160
 Built at BEVERLEY By whom built Cook Weller & Gemmell & Co. Yard No. 688 When built 1942
 Engines made at HULL By whom made Chas. D. Holmes & Co. Engine No. 1606 When made
 Boilers made at HULL By whom made Chas. D. Holmes & Co. Boiler No. 1601 When made
 Registered Horse Power Owners The Admiralty Port belonging to
 Nom. Horse Power as per Rule 156. Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes.
 Trade for which vessel is intended

Engines, &c.—Description of Engines Triple Expansion CONTRACT. Revs. per minute 120.
 Dia. of Cylinders 15", 25", 42" Length of Stroke 27" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 8.3" as fitted 8 1/2" Crank pin dia. 8 1/2" Mid. length breadth Crank webs Thickness parallel to axis 5 1/2" shrunk Thickness around eye-hole 3 1/16"
 Intermediate Shafts, diameter as per Rule 7.9" as fitted 8 1/8" Thrust shaft, diameter at collars as per Rule 8.3" as fitted 8 1/2"
 Tube Shafts, diameter as per Rule NONE as fitted Screw Shaft, diameter as per Rule 8.8" as fitted 9" Is the shaft fitted with a continuous liner Yes.
 Bronze Liners, thickness in way of bushes as per Rule 56" as fitted 5 1/8" Thickness between bushes as per Rule 42" as fitted 5 1/8" Is the after end of the liner made watertight in the propeller boss Yes.
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner One length.
 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 at No. If so, state type Length of Bearing in Stern Bush next to and supporting propeller 4 1/2"
 Propeller, dia. 10'-9" Pitch 11'-7 1/2" No. of Blades 4 Material C.I. whether Moveable Solid Total Developed Surface 43 sq. feet
 Feed Pumps worked from the Main Engines, No. One Diameter 3" Stroke 16" Can one be overhauled while the other is at work Yes.
 Bilge Pumps worked from the Main Engines, No. One Diameter 3" Stroke 16" Can one be overhauled while the other is at work Yes.
 Feed Pumps No. and size One 6" x 8 1/2" x 13" Pumps connected to the Main Bilge Line No. and size One at 3" x 16" One 7" x 5" x 6" Duplex One 3" Ejector
 How driven Independent Scream Main Eng Independent Scream Independent Scream
 Ballast Pumps, No. and size One 7" x 5" x 6" Duplex Lubricating Oil Pumps, including Spare Pump, No. and size NONE
 Are two independent means arranged for circulating water through the Oil Cooler NONE Suctions, connected to both Main Bilge Pumps and Auxiliary
 Bilge Pumps:—In Engine and Boiler Room 2 @ 2" and One 3" Scream Ejector In Holds, &c. One 2" Dia in each:—Fore hold, D.C. Fore
 In Pump Room Spirit Run & Magazine
 Main Water Circulating Pump Direct Bilge Suctions, No. and size One 5" Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size One 3" Scream Ejector 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 Yes. 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 Forward suction How are they protected Wood casing
 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 None Is it fitted with a watertight door worked from

MAIN BOILERS, &c.—(Letter for record 5) Total Heating Surface of Boilers 2358 sq. ft.
 Which Boilers are fitted with Forced Draft All. Which Boilers are fitted with Superheaters None
 No. and Description of Boilers One S.B. Working Pressure 220 lb / sq. in.
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes.
 IS A DONKEY BOILER FITTED? No. 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 26-3-41 Main Boilers 30-1-41 Auxiliary Boilers NONE Donkey Boilers NONE
 (If not state date of approval)
 Superheaters NONE General Pumping Arrangements 15-4-41 Oil fuel Burning Piping Arrangements

SPARE GEAR.

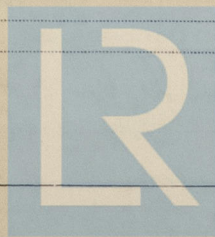
Has the spare gear required by the Rules been supplied Yes: see attached list.
 State the principal additional spare gear supplied In accordance with Admiralty Specification.

The foregoing is a correct description.

FOR CHARLES D. HOLMES & CO., LTD.

W.R. Evans

Manufacturer.



© 2020

Lloyd's Register Foundation

004037-004041-0020

DUNKERY.

1942
 During progress of work in shops - - { 1941 Nov. 25. 27. Feb. 17. 20. 23. 27. Mar. 6. 12. 13. 19. 20. 23. 26. 27. 30. Apr. 3. 7. 8. 9. 10. 11. 13. 14.
 16. 17. 18. 20. 22. 24. 25. 29. 30. May. 1. 4. 5. 6. 8. 13. 15. 18. 19. 20. 21. 24. 28. 29.
 June 1. 2. 3. 4.
 During erection on board vessel - - - {
 Total No. of visits 51.

Dates of Examination of principal parts - Cylinders 14/4/42. 19/4/42. 11/4/42. Slides 24/4/42. Covers 14/4/42. 10/4/42. 11/4/42.
 Pistons 13/4/42. 24/4/42. Piston Rods 27/3/42. Connecting rods 13/4/42.
 Crank shaft 12/3/42. Thrust shaft 13/3/42. Intermediate shafts 23/3/42.
 Tube shaft ✓ Screw shaft 12/3/42. Propeller 26. 3. 42.
 Stern tube 25-11-41 Engine and boiler seatings 15/5/42 Engines holding down bolts 15/5/42.
 Completion of fitting sea connections 25-11-41.
 Completion of pumping arrangements 26. 3. 42. Boilers fixed 15/5/42 Engines tried under steam 29/5/42.
 Main boiler safety valves adjusted 29/5/42. Thickness of adjusting washers Both 13/32.
 Crank shaft material M.S. Coupler 7179 AEG 17/4/42. Identification Mark 6614 AEG 7/1/42. 1640. JS. 13. 3. 42.
 Intermediate shafts, material MS Identification Marks 6946 AEG 26. 2. 42. Thrust shaft material M.S. Identification Mark 6611 AEG 11/1/42.
 Screw shaft, material MS Identification Mark 6610 AEG 17. 12. 41. Steam Pipes, material S.D. STEEL Test pressure 660 lb. Date of Test 20. 5. 42.
 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 BIRD LIP

General Remarks (State quality of workmanship, opinions as to class, &c.)
 The machinery of this vessel has been fitted on board under Special Survey in accordance with the Admiralty requirements, the approved plan and the Society's Rules.
 The workmanship and material are good and when tried under steam was found satisfactory in every respect.
 It is eligible, in our opinion, when the vessel is classed, to have the notation of T 3cy. 15", 25", 42".
 records of * LMC 6, 42. and C.L. and the notation of T 3cy. 15", 25", 42".
 156 NHP 220 lb 3 c.f. GS 63 HS 2358 F.P. 158 B.

The amount of Entry Fee ... £ :
 Special ... £ 78 :
 Donkey Boiler Fee ... £ :
 Travelling Expenses (if any) £ :
 When applied for, B JUL 1942
 When received, 19

Committee's Minute ...
 Assigned ...

W.S. Shields
 Engineer Surveyor to Lloyd's Register of Shipping



© 2020

Lloyd's Register Foundation