

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office.

Date of writing Report 7-5-43. 5 AUG 1943 When handed in at Local Office 19 Port of HULL
 No. in Survey held at HULL Date, First Survey 14. 10. 42. Last Survey 8. 4. 1943.
 Reg. Book on the H.M. Trawler GRILSE (Number of Visits 34.) Tons { Gross 391 Net 128.
 Built at SELBY. By whom built Cochran & Co Ltd Yard No. 1265. When built 1943
 Engines made at HULL. By whom made Amos & Smith Ltd Engine No. 721. When made
 Boilers made at HULL. By whom made Amos & Smith Ltd Boiler No. 721. When made
 Registered Horse Power Owners THE ADMIRALTY. Port belonging to
 Nom. Horse Power as per Rule 125. Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes.
 Trade for which vessel is intended Government Service.

ENGINES, &c.—Description of Engines Triple Expansion
 Dia. of Cylinders 13 1/2", 24", 39" Length of Stroke 27" No. of Cylinders 3. G. Trad. Revs. per minute 115.
 Crank shaft, dia. of journals as per Rule 7.65" as fitted 8" Crank pin dia. 8" Mid. length breadth ✓ Thickness parallel to axis 5" Crank webs shrunk Thickness around eye-hole 3 9/16".
 Intermediate Shafts, diameter as per Rule 7.3" as fitted 7 3/4" Thrust shaft, diameter at collars as per Rule 7.65" as fitted 8"
 Tube Shafts, diameter as per Rule ✓ as fitted ✓ Screw Shaft, diameter as per Rule 8.15" as fitted 8 1/2" Is the { tube screw } shaft fitted with a continuous liner { Yes.
 Bronze Liners, thickness in way of bushes as per Rule 9/16" as fitted 19/32" Thickness between bushes as per Rule 19/32" as fitted 19/32" 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
 Propeller, dia. 10'-3" Pitch 10'-9" No. of Blades 4. Material C.I. whether Moveable Solid. Total Developed Surface 39 1/2 sq. feet
 Feed Pumps worked from the Main Engines, No. One Diameter 3" Stroke 15" Can one be overhauled while the other is at work (one at a time)
 Bilge Pumps worked from the Main Engines, No. One Diameter 3" Stroke 15" Can one be overhauled while the other is at work (one at a time).
 Feed Pumps { No. and size None 6" x 4 1/4" x 6" Duplex Pumps connected to the Main Bilge Line { No. and size 6" x 4 1/4" x 6" Duplex 3" ejector How driven Independent Steam Independent Steam }
 Ballast Pumps, No. and size None 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" Dia. and One 3" Ejector (see below).
 In Pump Room ✓ In Holds, &c. One @ 2" Dia. in each of the following:—
 Fore Ballast Space ASDIC Room, After Ballast Space, Magazine, Magazine, Spirit Room.
 Main Water Circulating Pump Direct Bilge Suctions, No. and size One @ 6" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size one 3" Steam 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 Yes.
 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 None. Is it fitted with a watertight door — worked from —

MAIN BOILERS, &c.—(Letter for record S.) Total Heating Surface of Boilers 1873. 1/2.
 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 210 lbs 10".
 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 —

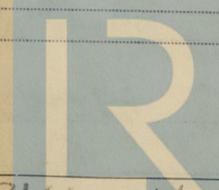
PLANS. Are approved plans forwarded herewith for Shafting 13-8-41. Main Boilers 13-8-41. Auxiliary Boilers — Donkey Boilers —
 Superheaters — General Pumping Arrangements 16-6-41. Oil fuel Burning Piping Arrangements None.
 SPARE GEAR.
 Was the spare gear required by the Rules been supplied Yes. State the principal additional spare gear supplied See attached list.

The foregoing is a correct description.

For AMOS & SMITH LTD.

A. R. Towler
DIRECTOR

Manufacturer.



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003444-003444-0040

