

REPORT ON OIL ENGINE MACHINERY.

No. 42668

Date of writing Report 10 When handed in at Local Office 23. 4. 1923 Port of Glasgow Received at London Office WED. APR. 25 1923
 No. in Survey held at Glasgow Date, First Survey 1st Sept 1919 Last Survey 18th April 1923
 Reg. Book. Single on the Twin Screw vessels "EDIBA" Number of Visits 116
 Master Glasgow Built at Glasgow By whom built Harland & Wolff Yard No. 582 When built 1923
 Engines made at Glasgow By whom made Harland & Wolff, Ltd Engine No. 582 When made 1923
 Donkey Boilers made at Arman By whom made Cochran & Co Boiler No. 1924/1923 When made 1923
 Brake Horse Power 2400 Owners Elder Dempster & Co Ltd Port belonging to London
 Nom. Horse Power as per Rule 655 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

L ENGINES, &c.—Type of Engines Dual 2 or 4 stroke cycle 4 Single or double acting Single
 Maximum pressure in cylinders 500 No. of cylinders 12 No. of cranks 12 Diameter of cylinders 26 3/8" 670 M/M
 Length of stroke 39 3/8" 1000 M/M Revolutions per minute 115 Means of ignition Compression Kind of fuel used above 150°F
 Is there a bearing between each crank Yes Span of bearings (Page 92, Section 2, par. 7 of Rules) 794 M/M
 Distance between centres of main bearings 1320 M/M Is a flywheel fitted Yes Diameter of crank shaft journals as per Rule 390 M/M
 Diameter of crank pins 422 M/M Breadth of crank webs as per Rule 520 M/M Thickness of ditto as per Rule 218 M/M
 Diameter of flywheel shaft as per Rule 390 M/M Diameter of tunnel shaft as per Rule 12 1/6" Diameter of thrust shaft as per Rule 322 M/M
 Diameter of screw shaft as per Rule 12 5/16" Is the screw shaft fitted with a continuous liner the whole length of the stern tube Yes
 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 joints burned Yes
 Does the liner do 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 Yes whole length
 Are two liners fitted, is the shaft lapped or protected between the liners Yes If without liners, is the shaft arranged to run in oil Yes
 Diameter of outer gland fitted to stern tube wood lined stern bush Length of stern bush 60" Diameter of propeller 13'-0"
 Diameter of propeller 11'-0" No. of blades 3 state whether moveable Yes Total surface 50 square feet
 Method of reversing Electric (compressed air) Is a governor or other arrangement fitted to prevent racing of the engine Yes Thickness of cylinder liners 60 M/M
 Are the cylinders fitted with safety valves Yes Means of lubrication Forced sight feed Are the exhaust pipes and silencers water cooled or lagged with
 non-conducting material Yes If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine Yes
 No. of cooling water pumps Two Is the sea suction provided with an efficient strainer which can be cleared
 Is there a bilge pump on the vessel Yes No. of bilge pumps fitted to the main bilges Two Diameter of ditto 8" DUPLEX Stroke 8"
 Can one be overhauled while the other is at work Yes No. of auxiliary pumps connected to the main bilge lines Three How driven Electric motor
 Sizes of pumps 2 1/8" x 8" x 1, 10" x 10" No. and sizes of suction connected to both main bilge pumps and auxiliary bilge pumps:—In engine room 3 1/2" 2 1/2" 3 1/2"
 Are there pumps in holds, etc. Yes No. of ballast pumps 1 How driven Electric motor Sizes of pumps 10 duplex 10" stroke
 Is the ballast pump fitted with a direct suction from the engine room bilges Yes State size 5" dia Is a separate auxiliary pump suction fitted in
 Engine Room and size Yes 5" Are all the bilge suction pipes fitted with roses Yes Are the roses in Engine Room always accessible Yes
 Are the sluices on Engine Room bulkheads always accessible Yes Are all connections with the sea direct on the skin of the ship Yes
 Are they valves or cocks both Are they fired sufficiently high on the ship's side to be seen without lifting the floor plates Yes above & below
 Are the discharge pipes above or below the deep water line Below Are they each fitted with a discharge valve always accessible on the plating of the vessel Yes
 Are all pipes, cocks, valves and pumps in connection with the machinery accessible at all times Yes Are the bilge suction pipes, cocks and valves arranged so as to prevent any
 communication between the sea and the bilges Yes Is the screw shaft tunnel watertight Yes Is it fitted with a watertight door Yes
 Is the tunnel closed from Shelter deck If a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork Yes

RECEIVERS:—No. of high pressure air receivers Eight Internal diameter 295 M/M Cubic capacity of each 5 off 150 litres 3 off 88 litres
 Material solid drawn tube Seamless, lap welded or riveted longitudinal joint seamless Range of tensile strength 28/32 TONS
 Thickness 59" Working pressure by Rules 1400 Lbs/sq No. of starting air receivers Two Internal diameter 6'-0"
 Cubic capacity 940 cubic ft. Material Steel Seamless, lap welded or riveted longitudinal joint D. Butt. Yeeble.
 Range of tensile strength 28-32 Tons/sq thickness 1 3/32 Working pressure by rules 356 Lbs/sq Is each receiver, which can be isolated,
 with a safety valve as per Rule Yes Are the internal surfaces of the receivers be examined Yes What means are provided for cleaning their
 inner surfaces BLAST Detachable heads, STARTING Mangles Is there a drain arrangement fitted at the lowest part of each receiver Yes

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