

REPORT ON OIL ENGINE MACHINERY.

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Greenock

Survey held at Port Glasgow Date, First Survey 2nd May, 1924. Last Survey 4th August, 1924

on the ^{Single} Twin _{Triple} Screw vessels "ATAGO MARU" Tons ^{Gross} _{Net}

Built at Port Glasgow By whom built Lithgaw Sd. Yard No. When built 1924

made at Glasgow By whom made D. Rowan & Co. Ld. Engine No. When made

Boilers made at By whom made Boiler No. When made

Horse Power Owners Port belonging to

Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

ENGINES, &c. Type of Engines 2 or 4 stroke cycle Single or double acting

pressure in cylinders No. of cylinders No. of cranks Diameter of cylinders

stroke Revolutions per minute Means of ignition Kind of fuel used

bearing between each crank Span of bearings (Page 92, Section 2, par. 7 of Rules)

between centres of main bearings Is a flywheel fitted Diameter of crank shaft journals ^{as per Rule} _{as fitted}

of crank pins Breadth of crank webs ^{as per Rule} _{as fitted} Thickness of ditto ^{as per Rule} _{as fitted}

of flywheel shaft ^{as per Rule} _{as fitted} Diameter of tunnel shaft ^{as per Rule} _{as fitted} Diameter of thrust shaft ^{as per Rule} _{as fitted}

of screw shaft ^{as per Rule} _{as fitted} Is the screw shaft fitted with a continuous liner the whole length of the stern tube

at end of the liner made watertight in the propeller boss Yes. If the liner is in more than one length are the joints burned

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

When liners are fitted, is the shaft lapped or protected between the liners If without liners, is the shaft arranged to run in oil

Water gland fitted to stern tube Length of stern bush Diameter of propeller

Propeller No. of blades state whether moveable Total surface square feet

Reversing Is a governor or other arrangement fitted to prevent racing of the engine when declutched Thickness of cylinder liners

Cylinders fitted with safety valves Means of lubrication Are the exhaust pipes and silencers water cooled or lagged with

insulating material If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine

No. of cooling water pumps Is the sea suction provided with an efficient strainer which can be cleared

on vessel No. of bilge pumps fitted to the main engines Diameter of ditto Stroke

overhauled while the other is at work No. of auxiliary pumps connected to the main bilge lines How driven

on pumps No. and sizes of suction connected to both main bilge pumps and auxiliary bilge pumps:—In engine room

on s, etc. No. of ballast pumps How driven Sizes of pumps

Is the largest pump fitted with a direct suction from the engine room bilges State size Is a separate auxiliary pump suction fitted in

on m and size Are all the bilge suction pipes fitted with roses Are the roses in Engine Room always accessible

Are the connections with the sea direct on the skin of the ship Yes.

Are the valves or cocks Both Are they fixed sufficiently high on the ship's side to be seen without lifting the floor plates

Are the discharge pipes above or below the deep water line Are they each fitted with a discharge valve always accessible on the plating of the vessel

Are the valves, cocks, valves and pumps in connection with the machinery accessible at all times Are the bilge suction pipes, cocks and valves arranged so as to prevent any

on between the sea and the bilges Is the screw shaft tunnel watertight Is it fitted with a watertight door

If a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork

on air compressors No. of stages Diameters Stroke Driven by

on auxiliary air compressors No. of stages Diameters Stroke Driven by

on small auxiliary air compressors No. of stages Diameters Stroke Driven by

on revolving air pumps Diameter Stroke Driven by

on of auxiliary Diesel Engine crank shafts ^{as per Rule} _{as fitted} Are the air compressors and their coolers made so as to be easy of access

RECEIVERS:—No. of high pressure air receivers Internal diameter Cubic capacity of each

Seamless, lap welded or riveted longitudinal joint Range of tensile strength

working pressure by Rules No. of starting air receivers Internal diameter

Material Seamless, lap welded or riveted longitudinal joint

tensile strength thickness Working pressure by rules Is each receiver, which can be isolated,

on a safety valve as per Rule Can the internal surfaces of the receivers be examined What means are provided for cleaning their

on faces Is there a drain arrangement fitted at the lowest part of each receiver



