

REPORT ON OIL ENGINE MACHINERY.

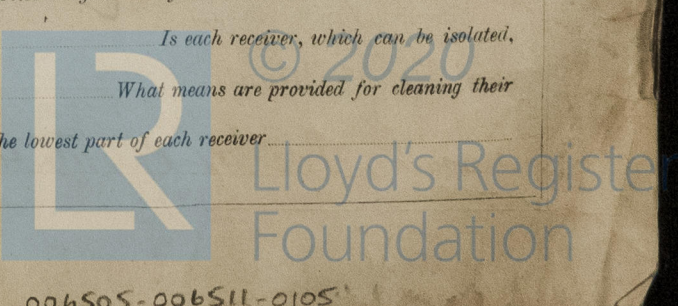
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Writing Report *11 Aug 1924* When handed in at Local Office *11.8.1924* Port of *Greenock*
 Survey held at *Port Glasgow* Date, First Survey *24th May, 1924*. Last Survey *4th August, 1924*
 on the *Single* { *Twin* } Screw vessel *"ATAGO MARU"* Number of Visits
Triple {
 Built at *Port Glasgow* By whom built *Lithgows Ltd.* Yard No. When built *1924*
 made at *Glasgow* By whom made *D. Rowan & Co. Ltd.* 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*
prop of crank pins Breadth of crank webs *as per Rule* Thickness of ditto *as per Rule*
as fitted *as fitted* *as fitted*
 of flywheel shaft *as per Rule* Diameter of tunnel shaft *as per Rule* Diameter of thrust shaft *as per Rule*
as fitted *as fitted* *as fitted*
 of screw shaft *as per Rule* Is the screw shaft fitted with a continuous liner the whole length of the stern tube
as fitted
 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
 are fitted, is the shaft lapped or protected between the liners If without liners, is the shaft arranged to run in oil
 ter gland fitted to stern tube Length of stern bush Diameter of propeller
 opeller 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
 nders fitted with safety valves Means of lubrication Are the exhaust pipes and silencers water cooled or lagged with
 ing 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
 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
 ups No. and sizes of suctions connected to both main bilge pumps and auxiliary bilge pumps:—In engine room
 s, etc. No. of ballast pumps How driven Sizes of pumps
 st pump fitted with a direct suction from the engine room bilges State size Is a separate auxiliary pump suction fitted in
 m and size Are all the bilge suction pipes fitted with roses Are the roses in Engine Room always accessible
 ces on Engine Room bulkheads always accessible Are all connections with the sea direct on the skin of the ship *Yes.*
 ves or cocks *Both* Are they fixed sufficiently high on the ship's side to be seen without lifting the floor plates
 harge pipes above or below the deep water line Are they each fitted with a discharge valve always accessible on the plating of the vessel
 s, 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
 in air compressors No. of stages Diameters Stroke Driven by
 iliary air compressors No. of stages Diameters Stroke Driven by
 all auxiliary air compressors No. of stages Diameters Stroke Driven by
 wenging air pumps Diameter Stroke Driven by
 of auxiliary Diesel Engine crank shafts *as per Rule* Are the air compressors and their coolers made so as to be easy of access
as fitted
 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
 c capacity Material Seamless, lap welded or riveted longitudinal joint
 tensile strength thickness Working pressure by rules Is each receiver, which can be isolated,
 a safety valve as per Rule Can the internal surfaces of the receivers be examined What means are provided for cleaning their
 aces Is there a drain arrangement fitted at the lowest part of each receiver



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If so, is a report now forwarded?

DESCRIPTION.	DATE OF TEST.	WORKING PRESSURE.	TEST PRESSURE.	STAMPED.	REMARKS.
ENGINE CYLINDERS					
" " COVERS					
" " JACKETS.....					
" PISTON WATER PASSAGES.....					
MAIN COMPRESSORS—1st STAGE.....					
" 2nd "					
" 3rd "					
AIR RECEIVERS—STARTING					
" INJECTION					
AIR PIPES					
FUEL PIPES					
FUEL PUMPS					
SILENCER					
" WATER JACKET					
SEPARATE FUEL TANKS					

PLANS. Are approved plans forwarded herewith for shafting
(If not, state date of approval)

Receivers

Separate Tanks

SPARE GEAR

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building	{	During progress of work in shops--	(1924) May 21. June 3-11-16. July 31. Aug 1-4.
		During erection on board vessel---	
		Total No. of visits	7

Dates of Examination of principal parts—Cylinders Covers Pistons Rods Connecting rods

Crank shaft *Thrust shaft* *Tunnel shafts* *Screw shaft* *Propeller* *Stern tube* *Engine seating*

Engines holding down bolts *Completion of pumping arrangements* *Engines tried under working conditions*

Completion of fitting sea connections 3.6.24 ✓ Stern tubes 11.6.24 ✓ Screw shafts and propellers 16.6.24

Material of crank shaft Identification Mark on Do. Material of thrust shaft Identification Mark on Do.

<i>Material of tunnel shafts</i>	<i>Identification Marks on Do.</i>	<i>Material of screw shafts</i>	<i>Identification Marks on Do.</i>
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Is the flash point of the oil to be used over 150° F.

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

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

This vessel has proceeded to Glasgow where the machine will be fitted on board.

Certificate (if required) to be sent to _____
 requested not to write on or below the space for Comments.

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

S. F. Dorey
Engineer Surveyor to Lloyd's Register of S

Committee's Minute

2-DEC 1924

Assigned See Gb. Rpt. No. 44184.

DEC. 16 1922

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Lloyd's Register
Foundation