

REPORT ON OIL ENGINE MACHINERY.

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Date of writing Report 19-11-26 ... When handed in at Local Office 30-11-26 ... Port of Kobe. ... "YAHIKO MARU" ... Built at HARIMA ... Engines made at KOBE ... Donkey Boilers made at ANNAN, SCOTLAND ... Brake Horse Power 540 (3 ENGS) ... Owners ITAYA MIYAKICHI ... Is Refrigerating Machinery fitted for cargo purposes NO ... Is Electric Light fitted YES.

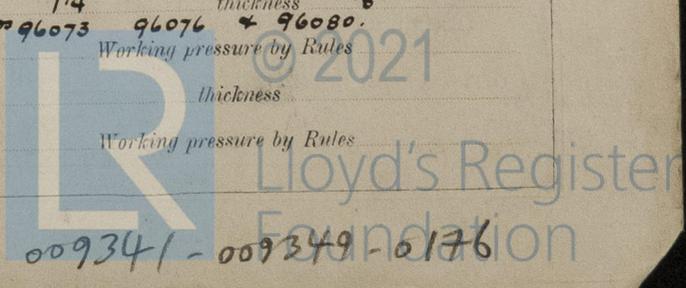
ALL ENGINES, &c.—Type of Engines SULZER DIESEL. AUX. 2 or 4 stroke cycle 4 Single or double acting SINGLE ... Maximum pressure in cylinders 40 kg/cm² ... No. of cylinders 4 (EACH ENG) diameter of cylinders 300 mm ... No. of cranks 4 (EACH ENG) length of stroke 340 mm ... Revolutions per minute 360 ... Flywheel dia. 1400 mm ... Weight 2280 Kgs ... Means of ignition TEMP DOE TO COMPRESSION ... Kind of fuel used HEAVY FUEL OIL.

Crank Shaft, dia. of journals as per Rule 162.5 mm ... Crank pin dia. 170.0 mm ... Crank Webs Mid. length breadth 250 mm ... Thickness parallel to axis ... Flywheel Shafts, diameter as per Rule 162.5 mm ... Intermediate Shafts, diameter as per Rule ... Thrust Shaft, diameter at collars as per Rule ... Tube Shafts, diameter as per Rule ... Screw Shaft, diameter as per Rule ... Is the tube shaft fitted with a continuous liner ... Bronze Liners, thickness in way of bushes as per Rule ... Thickness between bushes as per rule ... Is the after end of the liner made watertight in the propeller boss ... If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner ...

Propeller, dia. ... Pitch ... No. of blades ... Material ... whether Moveable ... Total Developed Surface ... Method of reversing Engines NON-REVERSIBLE ... Is a governor or other arrangement fitted to prevent racing of the engine when disengaged YES ... Means of lubrication ... Thickness of cylinder liners 24 mm ... Are the cylinders fitted with safety valves YES ... 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 ... Cooling Water Pumps, No. 1 PER ENGINE ... Is the sea suction provided with an efficient strainer which can be cleared within the vessel YES ... Bilge Pumps fitted to the Main Engines, No. ... Diameter ... Stroke ... Can one be overhauled while the other is at work ... Pumps connected to the Main Bilge Line ... No. and Size ... How driven ... Ballast Pumps, No. and size ... Lubricating Oil Pumps, including Spare Pump, No. and size EACH ENGINE 50 mm x 60 mm SA ... Are two independent means arranged for circulating water through the Oil Cooler ... Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps, No. and size:—In Engine and Boiler Room ... Holds, &c. ... Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size ... Are the Bilge Suctions in the Machinery Space ... All the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes ... Are the Bilge Suctions in the Machinery Space ... from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges ... All Sea Connections fitted direct on the skin of the ship ... Are they fitted with Valves or Cocks ... they fixed sufficiently high on the ship's side to be seen without lifting the platform plates ... Are the Overboard Discharges above or below the deep water line ... they each fitted with a Discharge Valve always accessible on the plating of the vessel ... Are the Blow Off Cocks fitted with a spigot and brass covering plate ... All pipes pass through the bunkers ... How are they protected ... All pipes pass through the deep tanks ... Have they been tested as per Rule ... All Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times ... Are the Bilge Suctions in the Machinery Space ... Are arrangements 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 ... Is the Shaft Tunnel watertight ... Is it fitted with a watertight door ... worked from ...

Main Air Compressors, No. 2 ENGS ... 2 EACH ... No. of stages 3 ... Diameters 320 x 295 x 70 mm ... Stroke 180 mm ... Driven by ENGINE SHAFT. ... Auxiliary Air Compressors, No. ... No. of stages 2 ... Diameters ... Stroke ... Driven by ... Small Auxiliary Air Compressors, No. ... No. of stages ... Diameters ... Stroke ... Driven by ... Scavenging Air Pumps, No. ... Diameter ... Stroke ... Driven by ... Auxiliary Engines crank shafts, diameter as per Rule ... as fitted ...

IR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule YES ... Can the internal surfaces of the receivers be examined YES ... What means are provided for cleaning their inner surfaces OPENING UPPER END 3 1/16" diam ... Is there a drain arrangement fitted at the lowest part of each receiver YES ... High Pressure Air Receivers, No. 1 EACH ENGINE ... Cubic capacity of each 20 Litres ... Internal diameter 7 1/4" ... thickness 3/8" ... SEE ALSO SHEFFIELD CERTIFICATE NO 2734 DATED 22/1/25. Nos 96073 96076 & 96080. Working pressure by Rules ... Seamless, lap welded or riveted longitudinal joint ... Material ... Range of tensile strength ... Starting Air Receivers, No. ... Total cubic capacity ... Internal diameter ... thickness ... Seamless, lap welded or riveted longitudinal joint ... Material ... Range of tensile strength ... Working pressure by Rules



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