

## REPORT ON OIL ENGINE MACHINERY.

No. 16009

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 No. in Survey held at Rotterdam Date, First Survey 8.4.26 Last Survey 14.9.1927  
 Reg. Book, Single Motor on the Twin Screw vessels "SPONDILUS"  
 Built at Rotterdam By whom built Mr. Pienvord Yard No. 303 When built 1924  
 Engines made at Amsterdam By whom made Werkspoor Engine No. When made 1924  
 Donkey Boilers made at Rotterdam By whom made Mr. Pienvord Boiler No. 1510/14 When made 1926  
 Brake Horse Power 3500 Owners Anglo Saxon Petroleum Co Port belonging to London  
 Nom. Horse Power as per Rule 1200 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

2. ENGINES, &c. Type of Engines See Amsterdam report N° 10680 2 or 4 stroke cycle Single or double acting  
 Maximum pressure in cylinders No. of cylinders Diameter of cylinders No. of cranks Length of stroke  
 Mean of bearings, adjacent to the Crank, measured from inner edge to inner edge Is there a bearing between each crank  
 Revolutions per minute Flywheel dia. Weight Means of ignition Kind of fuel used  
 Crank Shaft, dia. of journals as per Rule Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis  
 as fitted Mid. length thickness shrunk Thickness around eye hole  
 Flywheel Shafts, diameter as per Rule Intermediate Shafts, diameter as fitted 560 mill Thrust Shaft, diameter at collars as fitted 560 mill  
 as fitted 560 mill  
 Tube Shafts, diameter as per Rule Screw Shaft, diameter as fitted 466 mill Is the tube shaft fitted with a continuous liner Yes  
 as fitted 466 mill  
 Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as fitted Is the after end of the liner made watertight in the  
 as fitted  
 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  
 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  
 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  
 of the tube shaft Yes Length of Bearing in Stern Bush next to and supporting propeller 1.48 etc.  
 Propeller, dia. 16.6" Pitch 17.6" No. of blades 4 Material Bronze whether Moveable No Total Developed Surface 95 sq. feet  
 Method of reversing Engines Is a governor or other arrangement fitted to prevent racing of the engine when declutched Means of lubrication  
 Thickness of cylinder liners Are the cylinders fitted with safety valves Are the exhaust pipes and silencers water cooled or lagged with  
 conducting material If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine  
 Slinging Water Pumps, No. 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 1 à 8" x 10 1/2" x 10" How driven Steam  
 Main Bilge Pumps, No. and size 1 à 6" x 6" x 6" Lubricating Oil Pumps, including Spare Pump, No. and size 3 à 200 x 500 mill  
 1 à 8" x 10 1/2" x 10" 1 à 8" x 9" x 10" Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge  
 two independent means arranged for circulating water through the Oil Cooler Yes  
 Pumps, No. and size:—In Engine and Boiler Room 6 à 3 1/2" from copperdam 4 à 3"  
 Folds, &c. Pump room aft 1 à 3" and 2 à 2 1/2" Pump room forward 1 à 2 1/2" Deep tank 1 à 2"  
 Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1 à 6 1/2" 1 à 4 1/2"  
 All the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Yes 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 Yes  
 All Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks both  
 They fixed sufficiently high on the ship's side to be seen without lifting the stanchion plates Yes Are the Overboard Discharges above or below the deep water line Above  
 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  
 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 Yes  
 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 No tunnel Is it fitted with a watertight door worked from  
 Good vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork  
 Air Compressors, No. No. of stages Diameters Stroke Driven by  
 Auxiliary Air Compressors, No. No. of stages Diameters Stroke Driven by  
 Auxiliary Air Compressors, No. No. of stages Diameters Stroke Driven by  
 Suctioning Air Pumps, No. Diameter Stroke Driven by  
 Auxiliary Engines crank shafts, diameter as per Rule See separate reports  
 as fitted

RECEIVERS:—Is each receiver, which can be isolated, fitted 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 Manhole fitted  
 Is there a drain arrangement fitted at the lowest part of each receiver Yes

Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

Seam, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

Suctioning Air Receivers, No. 4 Total cubic capacity 52.4 etc Internal diameter 1600 mill thickness 28 mill

Seam, lap welded or riveted longitudinal joint Riveted Material S.M. Steel Range of tensile strength 47.7-52.1 etc Working pressure by Rules 51.4 etc

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*If so, is a report now forwarded?*

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