

REPORT ON OIL ENGINE MACHINERY.

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on the ^{Single} ~~Twin~~ ^{Triple} ~~Quadruple~~ Screw vessel **KERLOGUE** Tons ^{Gross} ~~Net~~
Built at Capelle By whom built Messrs. A. Vuyk and Zonen's Yard No. 642 When built 1937
Engines made at Cologne By whom made Messrs. Humboldt-Deutzmotor A.G. Engine No. 44 When made 1937
Donkey Boilers made at By whom made Boiler No. When made
Brake Horse Power 300 B.H.P. Owners Port belonging to
Nom. Horse Power as per Rule 71 N.H.P. Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
Trade for which vessel is intended

OIL ENGINES, &c. Type of Engines Heavy oil engine R.V.6 M.345 2 or 4 stroke cycle 4 Single or double acting single
Maximum pressure in cylinders 50 kg/cm² 11" Length of stroke 450mm No. of cylinders 6 No. of cranks 6
Mean Indicated Pressure 6.6 kg/cm² Diameter of cylinders 280mm
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 307.5mm Is there a bearing between each crank yes
Revolutions per minute 300 Flywheel dia. 1250mm Weight 2600 kg Means of ignition sol. inj. Kind of fuel used on test bed gas oil
Crank Shaft, { Solid forged as per Rule 190mm Crank pin dia. 170mm Mid. length breadth 325mm Thickness parallel to axis
Semi built dia. of journals as fitted 190mm Crank Webs Mid. length thickness 70mm shrunk Thickness around eyehole
All built as fitted
Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule 190mm Thrust Shaft, diameter at collars as per Rule
as fitted as fitted
Tube Shaft, diameter as per Rule Screw Shaft, diameter as per Rule Is the { tube } shaft fitted with a continuous liner {
as fitted as fitted
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
as fitted as fitted
propeller boss If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner
If 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
If 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 end of the tube
shaft If so, state type Length of Bearing in Stern Bush next to and supporting propeller
Propeller, dia. Pitch No. of blades Material whether Moveable Total Developed Surface sq. feet
Method of reversing Engines directly by Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication
forced hand at present
Thickness of cylinder liners 25mm Are the cylinders fitted with safety valves none Are the exhaust pipes and steam pipes water cooled or lagged with
non-conducting material water cooled 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. one Is the sea suction provided with an efficient strainer which can be cleared within the vessel
Bilge Pumps worked from the Main Engines, No. one Diameter 100mm Stroke 85mm Can be overhauled while working at work yes
Pumps connected to the Main Bilge Line { No. and Size
How driven
Is the cooling water led to the bilges If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping
arrangements Main engine capacity 80 lbs/min. at 1400 r.p.m.
Ballast Pumps, No. and size Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size 1 tooth wheel pump
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 Machinery Spaces In Pump Room
In Holds, &c.
Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size
Are all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Are the Bilge Suctions in the Machinery Spaces
led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges
Are all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks
Are 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
Are 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
What pipes pass through the bunkers How are they protected
What pipes pass through the deep tanks Have they been tested as per Rule
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
Is the 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 Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from
If a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork
Main Air Compressors, No. No. of stages Diameters Stroke Driven by
Auxiliary Air Compressors, No. one No. of stages two Diameters 145/60 Stroke 85mm Driven by main engine
Small Auxiliary Air Compressors, No. No. of stages Diameters Stroke Driven by
What provision is made for first Charging the Air Receivers
Scavenging Air Pumps, No. Diameter Stroke Driven by
Auxiliary Engines crank shafts, diameter as per Rule No. Position
as fitted
Have the Auxiliary Engines been constructed under special survey Is a report sent herewith

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