

REPORT ON OIL ENGINE MACHINERY.

Received at London Office

Date of writing Report 17 When handed in at Local Office 19 Port of SOUTHAMPTON
 No. in Survey held at SOUTHAMPTON Date, First Survey 15th June 1947 Last Survey 15th June 1947
 Reg. Book. Single on the Twin Screw vessel motorship "DORABELLA" ex "LCI (L) 284" Number of Visits 299
Triple Tons 118
Quadruple Net 118
 Built at Path N.Y. By whom built how Jersey Shipbuilding Corp Yard No. - When built 1942
 Engine made at Detroit USA By whom made General Motors Engine No. - When made -
 Don't Boilers made at - By whom made - Boiler No. - When made -
 Brake Horse Power - Owners LT Col. The Honourable Eyres-Maunell Port belonging to Southampton
 M.N. Power as per Rule - Is Refrigerating Machinery fitted for cargo purposes - Is Electric Light fitted Yes
 Trade for which vessel is intended -

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

Maximum pressure in cylinders - Diameter of cylinders 4.25" Length of stroke 5" No. of cylinders 6 No. of cranks 6
 Mean Indicated Pressure - Ahead Firing Order in Cylinders - Span 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 - Moment of inertia of flywheel (±lbs.in² or Kg.cm.²) - Means of ignition - Kind of fuel used -
 Crank Shaft, Solid forged dia. of journals - as per Rule - Crank pin dia. - Crank webs - Mid. length breadth - Thickness parallel to axis -
Semi built as fitted - Mid. length thickness - shrunk Thickness around eye-hole -
All built as fitted -

Flywheel Shaft, diameter - as per Rule - Intermediate Shafts, diameter - as per Rule - Thrust Shaft, diameter at collars - as fitted -
 as fitted - as fitted - as per Rule -

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 - as fitted - screw

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 -
 as fitted - as fitted - as fitted - 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 tube shaft - If so, state type - Length of bearing in Stern Bush next to and supporting propeller -

Pitch - No. of blades - Material - whether moveable - Total developed surface - sq. feet -
 of propeller (±lbs.in² or Kg.cm.²) - Kind of damper, if fitted -

Engines - Is a governor or other arrangement fitted to prevent racing of the engine when declutched - Means of thickness of cylinder liners - Are the cylinders fitted with safety valves - Are the exhaust pipes and silencers water cooled -

acting material - If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned -
 Cooling Water Pumps, No. - Is the sea suction provided with an efficient strainer which can be cleared within the vessel -

Main Engines, No. - Diameter - Stroke - Can one be overhauled while the other is at work -
 connected to the Main Bilge Line - No. and size - How driven -

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 -
 menis -

Pumps, No. and size - Power Driven Lubricating Oil Pumps, including spare pump, No. and size -
 independent means arranged for circulating water through the Oil Cooler - Suctions, connected to both main bilge pumps and auxiliary -

pumps, No. and size:—In machinery spaces - In pump room -
 , &c. -

ndent Power Pump Direct Suctions to the engine room bilges, No. and size -
 the bilge suction pipes in holds and tunnel well fitted with strum-boxes - Are the bilge suction in the machinery spaces led from easily -

the mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges -
 at See 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 -
 as 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 -
 on 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. - No. of stages - diameters - stroke - driven by -

Small Auxiliary Air Compressors, No. - No. of stages - diameters - stroke - driven by -
 What provision is made for first charging the air receivers -

Avenging Air Pumps, No. - diameter - stroke - driven by -
 Auxiliary Engines crank shafts, diameter - as per Rule - No. - Position -
 as fitted -

the auxiliary engines been constructed under special survey - Is a report sent herewith -

604564-004572-0167



Certificates (if req
(The Surveyors are requested

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

Assigned **FRI. 25 NOV 1946**
See Jan 1946



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