

hull. Rpt. 20274.

15 SEP 1954

No. 19835.

# REPORT ON OIL ENGINE MACHINERY.

Received at London Office 21 APR 1954

20-4-1954 When handed in at Local Office 20-4-1954 Port of West Hartlepool

held at West Hartlepool Date, First Survey 16<sup>th</sup> July, 1953, Last Survey 15<sup>th</sup> April, 1954  
Number of Visits 66

Screw vessel M. V. "CYGNUS" Tons { Gross.....  
Net.....

By whom built Furness Shipbuilding Co Ltd Yard No. 463 When built 1954

By whom made Richardsons Westgarth (HPL) Ltd Engine No. 3242 When made 1954

By whom made..... Boiler No..... When made.....

Port belonging to..... Owners.....

Is Refrigerating Machinery fitted for cargo purposes..... Is Electric Light fitted.....

Type of Engines Opposed Piston Airless Injection 2 or 4 stroke cycle 2 Single or double acting Single

Diameter of cylinders 640 mm Length of stroke Combined 2320 mm No. of cylinders 5 No. of cranks 5-3 THROES

adjacent to the crank, measured from inner edge to inner edge 2030 mm Is there a bearing between each crank Between

Means of ignition COMPRESSION Kind of fuel used HEAVY FUEL OIL OR DIESEL OIL

Mid. length breadth 730 mm Thickness parallel to axis 290 mm

Intermediate Shafts, diameter as per Rule..... Thrust Shaft, diameter at collars as per Rule 520 mm

Screw Shaft, diameter as per Rule..... Is the { tube / screw } shaft fitted with a continuous liner yes

Thickness between bushes as per Rule..... Is the after end of the liner made watertight in the

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner.....

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

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

Is a governor or other arrangement fitted to prevent racing of the engine when declutched YES Means of

Thickness of cylinder liners 25 mm Are the cylinders fitted with safety valves YES Are the exhaust pipes and silencers water cooled

LAGGED 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.....

worked from the Main Engines, No..... Diameter..... Stroke..... Can one be overhauled while the other is at work.....

ed to the Main Bilge Line { No. and size..... How driven.....

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

No. and size..... Power Driven Lubricating Oil Pumps, including spare pump, No. and size.....

endent means arranged for circulating water through the Oil Cooler..... Suctions, connected to both main bilge pumps and auxiliary

To. and size:—In machinery spaces..... In pump room.....

Power Pump Direct Suctions to the engine room bilges, No. and size.....

ge suction pipes in holds and tunnel well fitted with strum-boxes..... Are the bilge suction in the machinery spaces led from easily

boxes, placed above the level of the working floor, with straight tail pipes to the bilges..... Are they fixed

connections fitted direct on the skin of the Ship..... Are they fitted with valves or cocks..... Are they fixed

h on the ship's side to be seen without lifting the platform plates..... Are the overboard discharges above or below the deep water line.....

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.....

ass through the bunkers..... How are they protected.....

ass through the deep tanks..... Have they been tested as per Rule.....

cocks, valves and pumps in connection with the machinery and all boiler mountings accessible at all times.....

ement 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

on one compartment to another..... Is the shaft tunnel watertight..... Is it fitted with a watertight door..... worked from.....

sel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork.....

ompressors, No..... No. of stages..... diameters..... stroke..... driven by.....

ir Compressors, No..... No. of stages..... diameters..... stroke..... driven by.....

ary Air Compressors, No..... No. of stages..... diameters..... stroke..... driven by.....

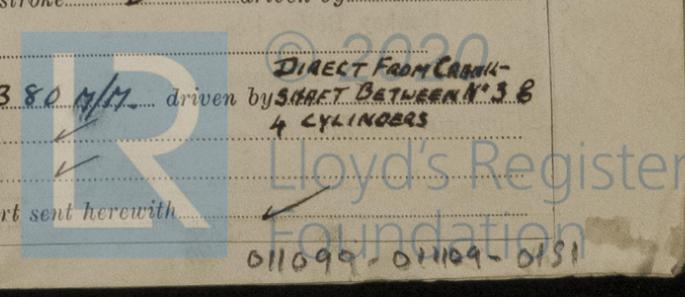
ion is made for first charging the air receivers.....

Air Pumps, No. One diameter 1780 mm stroke 1380 mm driven by DIRECT FROM CARRIAGE SHEET BETWEEN Nos 3 & 4 CYLINDERS

engines crank shafts, diameter as per Rule..... Position.....

iliary engines been constructed under special survey..... Is a report sent herewith.....

End  
24/6/54



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