

# REPORT ON OIL ENGINE MACHINERY.

No. \_\_\_\_\_

Received at London Office \_\_\_\_\_

Writing Report \_\_\_\_\_ 19 \_\_\_\_\_ When handed in at Local Office \_\_\_\_\_ 19 \_\_\_\_\_ Port of \_\_\_\_\_

Survey held at \_\_\_\_\_ Date, First Survey 25/8/51 Last Survey \_\_\_\_\_ 19 \_\_\_\_\_  
Number of Visits \_\_\_\_\_

on the Single Screw vessel "Agamemnon" Tons { Gross 7829  
Net 4806

By whom built Workman Clark (1925) Ltd Yard No. \_\_\_\_\_ When built 1929

By whom made M. Burmeister & Wain Engine No. \_\_\_\_\_ When made 1929

Boilers made at Union By whom made Cochran & Co Boiler No. 10997 When made 1929

Owners Ocean S.S. Co Ltd Port belonging to Liverpool

Is Refrigerating Machinery fitted for cargo purposes \_\_\_\_\_ Is Electric Light fitted Yes

for which vessel is intended \_\_\_\_\_

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

Diameter of cylinders 740 mm Length of stroke 1500 No. of cylinders 8 No. of cranks 8

Indicated Pressure 122 lb. Ahead Firing Order in Cylinders \_\_\_\_\_ Span of bearings, adjacent to the crank, measured

inner edge to inner edge 1000 mm Is there a bearing between each crank Yes Revolutions per minute 110

Weight \_\_\_\_\_ Moment of inertia of flywheel (lbs. in<sup>2</sup> or Kg. cm.<sup>2</sup>) \_\_\_\_\_ Means of ignition \_\_\_\_\_ Kind of fuel used \_\_\_\_\_

dia. of journals 525 Crank pin dia. 525 Crank webs \_\_\_\_\_ Mid. length breadth 900 Thickness parallel to axis 290

Mid. length thickness \_\_\_\_\_ Thickness around eyehole 250

Intermediate Shafts, diameter \_\_\_\_\_ as fitted 395 Thrust Shaft, diameter at collars \_\_\_\_\_ as fitted 425

Screw Shaft, diameter \_\_\_\_\_ as fitted \_\_\_\_\_ Is the { tube } shaft fitted with a continuous liner { }

Thickness between bushes \_\_\_\_\_ as fitted \_\_\_\_\_ Is the after end of the liner made watertight in the

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

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-

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

Length of bearing in Stern Bush next to and supporting propeller \_\_\_\_\_

Pitch \_\_\_\_\_ No. of blades \_\_\_\_\_ Material \_\_\_\_\_ whether moveable \_\_\_\_\_ Total developed surface \_\_\_\_\_ sq. feet

Kind of damper, if fitted \_\_\_\_\_

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

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 \_\_\_\_\_

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

connected to the Main Bilge Line { No. and size 2 Fine Bilge 1 Ballast + 1 Emergency Bilge

How driven All Electric motor

If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping

Pumps, No. and size \_\_\_\_\_ Power Driven Lubricating Oil Pumps, including spare pump, No. and size 4 Electric = 2 units

Suctions, connected to both main bilge pumps and auxiliary

In machinery spaces See "AJAX" & app. plans In pump room \_\_\_\_\_

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

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

Are the overboard discharges above or below the deep water line \_\_\_\_\_

Are the blow off cocks fitted with a spigot and brass covering plate \_\_\_\_\_

How are they protected \_\_\_\_\_

Have they been tested as per Rule \_\_\_\_\_

Are they fixed \_\_\_\_\_

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AIR RECEIVERS:—Have they been made under survey.....State No. of report or certificate.....

Is each receiver, which can be isolated, fitted with a safety valve as per Rule.....

Can the internal surfaces of the receivers be examined and cleaned.....Is a drain fitted at the lowest part of each receiver.....

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

Seamless, welded or riveted longitudinal joint.....Material.....Range of tensile strength.....Working pressure.....

Starting Air Receivers, No.....Total cubic capacity.....Internal diameter.....thickness.....

Seamless, welded or riveted longitudinal joint.....Material.....Range of tensile strength.....Working pressure.....

IS A DONKEY BOILER FITTED.....If so, is a report now forwarded.....

Is the donkey boiler intended to be used for domestic purposes only.....

PLANS. Are approved plans forwarded herewith for shafting.....Receivers.....Separate fuel tanks.....

Donkey boilers.....General pumping arrangements.....Pumping arrangements in machinery space.....

Oil fuel burning arrangements.....

Have Torsional Vibration characteristics been approved.....Date of approval.....

### SPARE GEAR.

Has the spare gear required by the Rules been supplied.....

State the principal additional spare gear supplied.....

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - -  
During erection on board vessel - - -  
Total No. of visits.....

Dates of examination of principal parts—Cylinders.....Covers.....Pistons.....Rods.....Connecting rods.....

Crank shaft.....Flywheel shaft.....Thrust shaft.....Intermediate shafts.....Tube shaft.....

Screw shaft.....Propeller.....Stern tube.....Engine seatings.....Engine holding down bolts.....

Completion of fitting sea connections.....Completion of pumping arrangements.....Engines tried under working conditions.....

Crank shaft, material.....Identification mark.....Flywheel shaft, material.....Identification mark.....

Thrust shaft, material.....Identification mark.....Intermediate shafts, material.....Identification marks.....

Tube shaft, material.....Identification mark.....Screw shaft, material.....Identification mark.....

Identification marks on air receivers.....

Welded receivers, state Makers' Name.....

Is the flash point of the oil to be used over 150°F.....

Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with.....

Description of fire extinguishing apparatus fitted.....

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo.....If so, have the requirements of the Rules been complied with.....

If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with.....

Is this machinery duplicate of a previous case.....If so, state name of vessel.....

General Remarks (State quality of workmanship, opinions as to class, Speed restrictions, &c.....

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

Committee's Minute.....

Assigned.....



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