

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 _____Screw vessel "Agamemnon" Tons { Gross 7829
Net 4806By whom built Workman Clark (1925) Ltd Yard No. _____ When built 1929By whom made M. Burmeister & Wain Engine No. _____ When made 1929Boilers made at Union By whom made Cochran & Co Boiler No. 10997 When made 1929Owners Ocean S.S. Co Ltd Port belonging to LiverpoolIs Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted YesType of Engines D.M. 2 or 4 stroke cycle 4 Single or double acting SingleDiameter of cylinders 740 mm Length of stroke 1500 mm No. of cylinders 8 No. of cranks 8Ahead 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 110Weight _____ Moment of inertia of flywheel (lbs. in² or Kg. cm.²) _____ Means of ignition _____ Kind of fuel used _____Crank pin dia. 525 Crank webs Mid. length breadth 900 Thickness parallel to axis 290
All built as fitted 525 Mid. length thickness _____ Thickness around eye hole 250 journalsIntermediate Shafts, diameter as fitted 395 Thrust Shaft, diameter at collars as fitted _____

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
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
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

Kind of damper, if fitted _____

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

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 _____

Can one be overhauled while the other is at work _____

No. and size 2 Fine Bilge 1 Ballast + 1 Emergency BilgeHow driven All Electric motor

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

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 All "AJAX" & other flows. In pump room _____

No. and size _____

Are the bilge suction pipes in holds and tunnel well fitted with strum-boxes _____ Are the bilge suction pipes 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 _____

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

Is the shaft tunnel watertight _____ Is it fitted with a watertight door _____ worked from _____

means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork _____

No. of stages _____ diameters _____ stroke _____ driven by _____

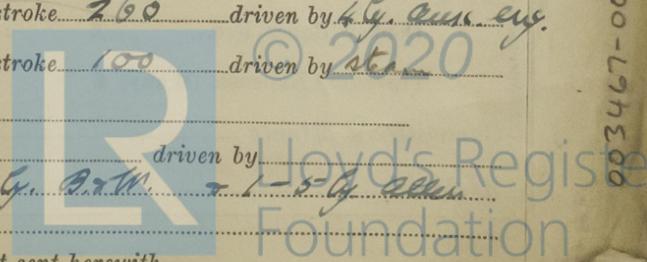
No. 3 No. of stages 2 diameters 322, 282 stroke 260 driven by 4 G. aux. eng.No. 1 No. of stages 2 diameters 106, 36 stroke 100 driven by 2020

diameter _____ stroke _____ driven by _____

No. 3 - 4 G. D.M. Position _____

Is a report sent herewith _____

003467-003473-0264



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. 2 main Total cubic capacity 796 cu ft Internal diameter 5'-6" thickness 7/8"

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

IS A DONKEY BOILER FITTED Yes If so, is a report now forwarded See "AJAX" rpt.

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.....

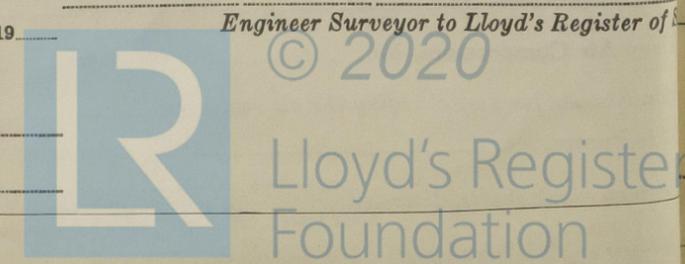
General Remarks (State quality of workmanship, opinions as to class, Speed restrictions, &c.....)

(The Surveyors are requested not to write on or below the space for Committee's Minute.)

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

Committee's Minute.....

Assigned.....



Certificate (if required) to be sent to

FRI. 11 JAN 1932