

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

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

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

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

No. in Survey held at \_\_\_\_\_ Date, First Survey 25/8/51 Last Survey \_\_\_\_\_ 19\_\_\_\_  
Reg. Book. \_\_\_\_\_ Number of Visits \_\_\_\_\_

2362 on the Single Twin Triple Quadruple Screw vessel Agamemnon Tons Gross 7278 Net 4806

Built at Belfast By whom built Workman Clark 1918 Ltd Yard No. \_\_\_\_\_ When built 1928

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

Oil Engines made at Copenhagen By whom made Adm. Burmeister & Wain Contract No. \_\_\_\_\_ When made \_\_\_\_\_

Generators made at Norwich By whom made Lawrence Scott Contract No. \_\_\_\_\_ When made \_\_\_\_\_

No. of Sets 3 Engine Brake Horse Power \_\_\_\_\_ M.N. as per Rule \_\_\_\_\_ Total Capacity of Generators 570 Kilowatts.

Set intended for essential services \_\_\_\_\_

**OIL ENGINES, &c.**—Type of Engines B & V 2 or 4 stroke cycle \_\_\_\_\_ Single or double acting \_\_\_\_\_

Maximum pressure in cylinders \_\_\_\_\_ Diameter of cylinders 316 Length of stroke 420 No. of cylinders 4 No. of cranks 4

Mean indicated pressure \_\_\_\_\_ 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 \_\_\_\_\_ Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) \_\_\_\_\_ Revolutions per minute 300

Flywheel dia. \_\_\_\_\_ Weight \_\_\_\_\_ Means of ignition \_\_\_\_\_ Kind of fuel used \_\_\_\_\_

Crank Shaft, dia. of journals \_\_\_\_\_ as per Rule \_\_\_\_\_ Crank pin dia. 204 Crank Webs \_\_\_\_\_ Mid. length breadth \_\_\_\_\_ Thickness parallel to axis \_\_\_\_\_

as fitted 204 Mid. length thickness \_\_\_\_\_ Thickness round eye-hole \_\_\_\_\_

Flywheel Shaft, diameter \_\_\_\_\_ as per Rule \_\_\_\_\_ Intermediate Shafts, diameter \_\_\_\_\_ as per Rule \_\_\_\_\_ General armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) \_\_\_\_\_

as fitted \_\_\_\_\_ as fitted \_\_\_\_\_

Are means provided to prevent racing of the engine when declutched \_\_\_\_\_ Means of lubrication \_\_\_\_\_ Kind of damper if fitted \_\_\_\_\_

Are the cylinders fitted with safety valves \_\_\_\_\_ Are the exhaust pipes and silencers water cooled or lagged with non-conducting material \_\_\_\_\_

Cooling Water Pumps, No. \_\_\_\_\_ Is the sea suction provided with an efficient strainer which can be cleared within the vessel \_\_\_\_\_

Lubricating Oil Pumps, No. and size \_\_\_\_\_

Air Compressors, No. 3 No. of stages 2 Diameters 322, 282 Stroke 260 Driven by Aux. Engines

scavenging Air Pumps, No. \_\_\_\_\_ Diameter \_\_\_\_\_ Stroke \_\_\_\_\_ Driven by \_\_\_\_\_

**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 \_\_\_\_\_ What means are provided for cleaning their inner surfaces \_\_\_\_\_

Is there a drain arrangement fitted at the lowest part of each receiver \_\_\_\_\_

High Pressure Air Receivers, No. \_\_\_\_\_ Cubic capacity of each \_\_\_\_\_ Internal diameter \_\_\_\_\_ thickness \_\_\_\_\_

Seamless, lap welded or riveted longitudinal joint \_\_\_\_\_ Material \_\_\_\_\_ Range of tensile strength \_\_\_\_\_ Working pressure by Rules \_\_\_\_\_

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

Seamless, lap welded or riveted longitudinal joint \_\_\_\_\_ Material \_\_\_\_\_ Range of tensile strength \_\_\_\_\_ Working pressure by Rules \_\_\_\_\_

**ELECTRIC GENERATORS:**—Type \_\_\_\_\_

Pressure of supply 220 volts. Full Load Current Each 772 Amperes. Direct or Alternating Current Direct

Is an alternating current system, state the periodicity \_\_\_\_\_ Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown

on and off \_\_\_\_\_ Generators, are they compounded as per Rule \_\_\_\_\_ is an adjustable regulating resistance fitted in series with each shunt field \_\_\_\_\_

Are all terminals accessible, clearly marked, and furnished with sockets \_\_\_\_\_ Are they so spaced \_\_\_\_\_

Are the generators shielded that they cannot be accidentally earthed, short circuited, or touched \_\_\_\_\_ Are the lubricating arrangements of the generators as per Rule \_\_\_\_\_

Do the generators are under 100 kw. full load rating, have the makers supplied certificates of test \_\_\_\_\_ and do the results comply with the requirements \_\_\_\_\_

Do the generators are 100 kw. or over have they been built and tested under survey \_\_\_\_\_

Give details of driven machinery other than generator \_\_\_\_\_

**SHAFTS.**—Are approved plans forwarded herewith for Shafting \_\_\_\_\_ Receivers \_\_\_\_\_ Separate Tanks \_\_\_\_\_

(If not, state date of approval) \_\_\_\_\_ Armature shaft Drawing No. \_\_\_\_\_

Have Torsional Vibration characteristics if applicable been approved \_\_\_\_\_

(state date of approval) \_\_\_\_\_

**SHAFTING GEAR** \_\_\_\_\_

The foregoing is a correct description,

Manufacturer.



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Lloyd's Register  
Foundation

003467-003473-0266

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—Piston rods—

Connecting rods—Crank and Flywheel shafts—Intermediate shafts—

Crank shaft { Material—Tensile strength—  
Elongation—Identification Marks—

Flywheel shaft, Material—Identification Marks—

Identification marks on Air Receivers—

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)—

The amount of Fee ... £ : : { When applied for ... 19  
Travelling Expenses (if any) £ : : { When received ... 19

Committee's Minute—

Assigned—

See List 134237