

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10529<sup>l</sup>

Date of writing Report 2nd March 27 When handed in at Local Office 19 Port of AMSTERDAM Received at London Office 14 MAR 1927  
 No. in Survey held at AMSTERDAM Date, First Survey 31st December '24 Last Survey 24th Febr. 1927  
 Reg. Book. --- on the Single Screw XXXXX Motor Vessel "C L A M" Number of Visits 27  
 Built at Amsterdam By whom built Nederlandsche Scheepsbouw My Yard No. 182 When built 1927  
 Owners Anglo-Saxon Petroleum Co. Lim. Port belonging to London  
 Oil Engines made at Amsterdam By whom made Werkspoor Contract No. - When made 1927  
 Generators made at - By whom made - Contract No. - When made -  
 No. of Sets 3 Engine Brake Horse Power 50 Nom. Horse Power as per Rule 14 Total Capacity of Generators - Kilowatts.

OIL ENGINES, &c.—Type of Engines 3-4 S.C.S.A. Diesel Engines 2 or 4 stroke cycle Single or double acting  
 Maximum pressure in cylinders 38 kg/cm<sup>2</sup> Diameter of cylinders 320 mm Length of stroke 450 mm No. of cylinders 1 No. of cranks 1  
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 430 mm Is there a bearing between each crank One crank.  
 Revolutions per minute 250 Flywheel dia. 1900 mm Weight 3000 kg Means of ignition Electric Kind of fuel used Diesel oil  
 Crank Shaft, dia. of journals as per Rule 185 mm Crank pin dia. 185 mm Crank Webs Mid. length breadth 290 mm Thickness parallel to axis Solid  
 as fitted 185 mm Mid. length thickness 100 mm Thickness around eyehole -  
 Flywheel Shaft, diameter as per Rule - Intermediate Shafts, diameter as per Rule - Thickness of cylinder liners -  
 as fitted - as fitted -  
 Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced lubrication  
 Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Yes  
 Cooling Water Pumps, No. 4 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. 4 No. of stages 2 Diameters 50-160 mm Stroke 130 mm Driven by Shift  
 Scavenging Air Pumps, No. 4 Diameter - Stroke - Driven by -

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes  
 Can the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces with steam  
 Is there a drain arrangement fitted at the lowest part of each receiver Yes  
 High Pressure Air Receivers, No. 2 Cubic capacity of each 30 L Internal diameter 190 mm thickness 9 mm  
 Seamless, lap welded or riveted longitudinal joint Maximum Material Steel Range of tensile strength 28/32 tons Working pressure by Rules Approved  
 Starting Air Receivers, No. 4 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 Willerm Smit  
 Pressure of supply 110 volts. Load 290 Amperes. Direct or Alternating Current Direct current  
 If alternating current system, state frequency of periods per second -  
 Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off Yes  
 Generators, do they comply with the requirements regarding rating Yes are they compound wound Yes  
 are they over compounded 5 per cent. Yes if not compound wound state distance between each generator -  
 is an adjustable regulating resistance fitted in series with each shunt field Yes Are all terminals accessible, clearly marked, and furnished with sockets Yes  
 are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes  
 PLANS. Are approved plans forwarded herewith for Shafting Receivers in London Separate Tanks Office  
 (If not, state date of approval) 24.12.24. Tuesday letter.

SPARE GEAR

Please see list attached

The foregoing is a correct description,

Manufacturer.



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Lloyd's Register  
Foundation

W1023-0021



Dates of Survey while building { During progress of work in shops - - } 3/12. 1914. 3/2. 3/5. 14/5. 8/7. 26/8. 18/9. 20/10. 26/11. 21/12. 14/1. 24/1. 25/1. 9/4. 3/5. 4/6. 5/7. 23/8. 24/9.  
 { During erection on board vessel - - - } 19/11. 10/12. 5/1. 8/2. 24/2. 27/2.  
 Total No. of visits 24.

Dates of Examination of principal parts—Cylinders 3/12. 14. 4/4. 14. Covers < Pistons 3/5. 25. 4/6. 26. Piston rods <

Connecting rods 3/12. 14. 4/6. 26 Crank and Flywheel shaft 3/5. 26. 4/6. 26 Intermediate shaft <

Crank and Flywheel shaft, Material Steel Identification Mark 21. 505. 40. 24. 25 or 21. 9. 0. 19. Identification Marks < Intermediate shafts, Material < Identification Marks <

Is this machinery duplicate of a previous case Yes If so, state name of vessel Port by Mack Co. Gardner 98

General Remarks (State quality of workmanship, opinions as to class, &c. Amek Rep. 21. 10513.

The engines have been built under special Survey in accordance with the Rules and Secretary's Letter, workmanship good. Machinery tested under full working condition as good

1m. 7. 28—Transfer.  
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

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

F. V. Beumer  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 18 MAR 1927  
 Assigned See 2/2 upl. attached