

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 1373

Received at London Office

-2 JUN 1933

Date of writing Report *May 2 1933* When handed in at Local Office *29. 5 1933* Port of *Cadiz*
 No. in Survey held at *Cordova* Date, First Survey *April 20th* Last Survey *April 22 1933*
 Reg. Book. Number of Visits *3 days*

on the ~~Single~~
~~Twin~~
~~Triple~~
~~Quadruple~~
 Screw vessel

"Campero"

Tons { Gross ☒
 Net ☒

Built at *Cadiz* By whom built *Echevarriela y Larrinaga* Yard No. *24* When built *1933*

Owners *Cia. Arrendataria del Monopolio de Petroleos. S. A.* Port belonging to ☒

Oil Engines made at *Bilbao* By whom made *S E de C N* Contract No. When made *1933*

Generators made at *Cordova* By whom made *Constructora Nacional de Maquinaria Electrica* Contract No. *O.P. 1.418* When made *1933*

No. of Sets *2* Engine Brake Horse Power ☒ Nom. Horse Power as per Rule ☒ Total Capacity of Generators *140* Kilowatts.

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

Maximum pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders No. of cranks

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge Is there a bearing between each crank

Revolutions per minute Flywheel dia. Weight Means of ignition Kind of fuel used

Crank Shaft, dia. of journals as per Rule Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis
 as fitted Mid. length thickness shrunk 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 Means of lubrication

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. No. of stages Diameters Stroke Driven by

Scavenging Air Pumps, No. Diameter Stroke Driven by

AIR RECEIVERS:—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 *S R 250.*

Pressure of supply *220* volts. Load *318* Amperes. Direct or Alternating Current *Direct*

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 ☒

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 *Yes* ☒

Receivers ☒ Separate Tanks ☒

SPARE GEAR

The foregoing is a correct description.

CONSTRUCTORA NACIONAL DE MAQUINARIA ELECTICA

FABRICA DE CORDOVA

Manufacturer.

DIRECTOR

013671-013677-0118

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

3 days 6 Visits

Dates of Examination of principal parts—Cylinders

Covers

Pistons

Piston rods

Connecting rods

Crank and Flywheel shaft

Intermediate shaft

Crank and Flywheel shafts, Material

Identification Mark

Intermediate shafts, Material

Identification Marks

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 workmanship on these Generators is very good and the two now examined and tested are eligible in my opinion to be closed after completion of the trials yet to be carried out when mounted on board

The amount of Fee ... P/s 300-00:

When applied for,

May 14 1933

Travelling Expenses (if any) £ 268-00:

When received,

May 24 1933

T. Procter
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRL 15 JUN 1934

Assigned See Cd 1422



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