

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

BALBOA  
No. 2622

Received at London Office

7-MAR-1949

Port 19 When handed in at Local Office 19 Port of Salina Cruz Mexico

By whom held at Salina Cruz Mexico Date, First Survey 28 Sept 1945 Last Survey ✓ 19 19

Single } Number of Visits \_\_\_\_\_  
Twin }  
Triple }  
Quadruple }  
Screw vessel Ultramariano Tons { Gross 4323  
Net 2593

By whom built Ast. Soc. Vulcan Yard No. \_\_\_\_\_ When built 1921

Port belonging to Oponto

By whom made Deutsche Schiff u. Waerft Contract No. \_\_\_\_\_ When made 1939

By whom made \_\_\_\_\_ Contract No. \_\_\_\_\_ When made \_\_\_\_\_

Engine Brake Horse Power \_\_\_\_\_ Nom. Horse Power as per Rule \_\_\_\_\_ Total Capacity of Generators \_\_\_\_\_ Kilowatts.

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

Diameter of cylinders 6 1/16" Length of stroke 7 7/8" No. of cylinders 2 No. of cranks 2

Is there a bearing between each crank yes

Flywheel dia. 33 1/4" Weight 2046 lbs Means of ignition Comp. Kind of fuel used Light Diesel

as per Rule \_\_\_\_\_ Mid. length breadth 5 1/16" Thickness parallel to axis \_\_\_\_\_

as fitted 4 21/32" Crank pin dia. 4 5/16" Crank Webs \_\_\_\_\_ Mid. length thickness 1 1/16" Thickness around eyehole \_\_\_\_\_

Intermediate Shafts, diameter \_\_\_\_\_ as per Rule \_\_\_\_\_ Thickness of cylinder liners 7/16"

as fitted \_\_\_\_\_ Means of lubrication forced

Are the exhaust pipes and silencers water cooled or lagged with non-conducting material yes

Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes

Oil Pumps, No. and size One One cylinder of engine is used to charge starting air bottle

No. of stages \_\_\_\_\_ Diameters \_\_\_\_\_ Stroke \_\_\_\_\_ Driven by \_\_\_\_\_

Air Pumps, No. None Diameter \_\_\_\_\_ Stroke \_\_\_\_\_ Driven by \_\_\_\_\_

RECEIVERS:—Have they been made under Survey Germanischer Lloyd State No. of Report or Certificate \_\_\_\_\_

which can be isolated, fitted with a safety valve as per Rule yes

What means are provided for cleaning their inner surfaces Removal of head

arrangement fitted at the lowest part of each receiver internal pipe to bottom

Air Receivers, No. None Cubic capacity of each \_\_\_\_\_ Internal diameter \_\_\_\_\_ thickness \_\_\_\_\_

Material \_\_\_\_\_ Range of tensile strength \_\_\_\_\_ Working pressure by Rules \_\_\_\_\_

Receivers, No. One Total cubic capacity 36 cu ft Internal diameter 10 1/2" thickness 3/4"

Material Steel Range of tensile strength \_\_\_\_\_ Working pressure by Rules \_\_\_\_\_

GENERATORS:—Type \_\_\_\_\_

Full Load Current \_\_\_\_\_ Amperes. Direct or Alternating Current \_\_\_\_\_

Has the Automatic Governor been tested and found as per rule when full load is suddenly \_\_\_\_\_

Generators, are they compounded as per rule \_\_\_\_\_ is an adjustable \_\_\_\_\_

Are all terminals accessible, clearly marked, and furnished with \_\_\_\_\_

Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched yes

If the generators are under 100 kw. full load rating, have the Makers supplied \_\_\_\_\_

and do the results comply with the requirements \_\_\_\_\_ If the generators are 100 kw. or over have they been \_\_\_\_\_

under survey \_\_\_\_\_

approved plans forwarded herewith for Shafting \_\_\_\_\_ Receivers \_\_\_\_\_ Separate Tanks see particulars

(If not, state date of approval) \_\_\_\_\_

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foregoing is a correct description,

Manufacturer.



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Lloyd's Register  
Foundation

003503-003512-0132

4<sup>C</sup> 2622.

Repairs  
Dates of Survey while building  
During progress of work in shops -- } 28 Sept 1945.  
During erection on board vessel --- }  
Total No. of visits

Dates of Examination of principal parts—Cylinders 4/10/45 Covers 4/10/45 Pistons 4/10/45 Piston

Connecting rods 4/10/45 Crank and Flywheel shafts 4/10/45 Intermediate shafts

Crank and Flywheel shafts, Material Steel Identification Marks

Intermediate shafts, 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.)

Diesel oil tank length 13'-0" Breadth 4'-4" Height 6'-3" welded plating 5/16, stiffeners 6" x 2 3/8" reversed angles on top sides and bottom connected at corners by br 2" air and 2" filling pipes; Max. head to which can subjected 20 ft.

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

Surveyor to Lloyd's Register of Shipping

Committee's Minute NEW YORK FEB 16 1949

Assigned See N.O.S. RPT. NO. 6881.



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