

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 49070

Received at London Office 2- APR 1949

Writing Report 19 When handed in at Local Office 19 Port of NEW YORK, N.Y.  
 Survey held at BROOKLYN, N.Y. Date, First Survey 11<sup>th</sup> OCT 48 Last Survey 26<sup>th</sup> FEB 1949  
 Number of Visits 3  
 on the Single Screw vessel M.V. LUCIA Ex LST No 319 Tons (Gross) -  
 at PHILADELPHIA By whom built PHILADELPHIA NAVY YARD Yard No. - When built 1943-4  
 ers SHELL CARIBBEAN PETROLEUM CO Port belonging to MARACAIBO  
 Engines made at SPRINGFIELD OHIO By whom made SUPERION ENGINE DIVISION OF NATIONAL SUPPLY CO Contract No. S 23394 When made 1942-  
 rators made at DAYTON OHIO By whom made DELCO PRODUCTION DIVISION OF GENERAL MOTORS CORP Contract No. P 195K When made 1942-  
 of Sets Two Engine Brake Horse Power 150 EA Nom. Horse Power as per Rule ✓ Total Capacity of Generators 200 Kilowatts.

ENGINES, &c.—Type of Engines VERTICAL AUXILIARY DIESELS QBD-8 2 or 4 stroke cycle 4 Single or double acting SINGLE  
 imum pressure in cylinders \_\_\_\_\_ Diameter of cylinders 5 1/2" Length of stroke 7" No. of cylinders 8 No. of cranks 8  
 of bearings, adjacent to the Crank, measured from inner edge to inner edge 6" Is there a bearing between each crank YES  
 lutions per minute 1200 Flywheel dia. 26 1/2" Weight 194 LBS Means of ignition \_\_\_\_\_ Kind of fuel used DIESEL  
 as per Rule ✓ Crank pin dia. 3 1/2" Crank Webs \_\_\_\_\_ Mid. length breadth 6 1/2" Thickness parallel to axis ✓  
 k Shaft, dia. of journals 4 1/2" as fitted \_\_\_\_\_ Mid. length thickness 1 1/4" Thickness around eye hole ✓  
 as per Rule ✓ Intermediate Shafts, diameter \_\_\_\_\_ as fitted \_\_\_\_\_ Thickness of cylinder liners 15/32"  
 wheel Shaft, diameter \_\_\_\_\_ as fitted \_\_\_\_\_  
 governor or other arrangement fitted to prevent racing of the engine when declutched YES Means of lubrication FORCED FEED  
 the cylinders fitted with safety valves NO Are the exhaust pipes and silencers water cooled or lagged with non-conducting material YES  
 ing Water Pumps, No. ONE FW 140 GPM EACH Is the sea suction provided with an efficient strainer which can be cleared within the vessel YES

ricating Oil Pumps, No. and size \_\_\_\_\_  
 Compressors, No. Two No. of stages Two Diameters 2 1/2" & 4" Stroke 3" Driven by ELE MOTORS  
 enging Air Pumps, No. \_\_\_\_\_ Diameter \_\_\_\_\_ Stroke \_\_\_\_\_ Driven by \_\_\_\_\_

RECEIVERS:—Have they been made under Survey ✓ State No. of Report or Certificate ✓  
 h receiver, which can be isolated, fitted with a safety valve as per Rule ✓  
 he internal surfaces of the receivers be examined ✓ What means are provided for cleaning their inner surfaces ✓  
 ere a drain arrangement fitted at the lowest part of each receiver ✓

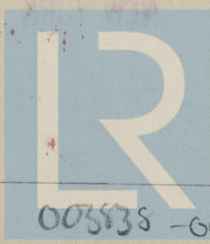
Pressure Air Receivers, No. ✓ Cubic capacity of each ✓ Internal diameter ✓ thickness ✓  
 less, lap welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure by Rules ✓  
 ing Air Receivers, No. ✓ Total cubic capacity ✓ Internal diameter ✓ thickness ✓  
 less, lap welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure by Rules ✓

TRIC GENERATORS:—Type DRIP PROOF, 2 WIRE, D.C. GENERATOR P 125 H-4-42  
 ure of supply 240 volts. Full Load Current 417 Amperes. Direct or Alternating Current DC  
 ernating current system, state the periodicity ✓ Has the Automatic Governor been tested and found as per rule when full load is suddenly  
 n on and off YES Generators, are they SHUNT compounded as per rule YES is an adjustable  
 ting resistance fitted in series with each shunt field YES Are all terminals accessible, clearly marked, and furnished with  
YES Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched YES  
 ie lubricating arrangements of the generators as per Rule YES If the generators are under 100 kw. full load rating, have the Makers supplied  
 ates of test ✓ and do the results comply with the requirements ✓ If the generators are 100 kw. or over have they been  
 nd tested under survey ABS. + U.S.N.

S. Are approved plans forwarded herewith for Shafting NO Receivers \_\_\_\_\_ Separate Tanks ✓  
 (If not, state date of approval)  
 E GEAR To Rule requirements

The foregoing is a correct description,

Manufacturer.



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005535-005545-0212



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 and Flywheel shafts, Material O.H. STEEL Identification Marks (P) D7626 (S) D7151  
Intermediate shafts, Material \_\_\_\_\_ Identification Marks \_\_\_\_\_  
Identification marks on Air Receivers \_\_\_\_\_

Is this machinery duplicate of a previous case YES If so, state name of vessel M.V. "LULSA"

General Remarks (State quality of workmanship, opinions as to class, &c.) The two Diesel driven Generating sets were constructed under the supervision of the American Bureau of Shipping & U.S. Navy. the condition & standard of workmanship is considered good & satisfactory.

The two Diesel engines are direct coupled to the generators equipped with battery starting equipment. were reconditioned at the time & examined throughout. were found in good condition.

The required tests were carried out. under various loads governing controls with satisfactory results

The amount of Fee £ ✓ :

Travelling Expenses (if any) £ ✓ :

When applied for,  
19  
When received,  
19

Bloomfield for M. S. Keller & Co.  
Surveyor to Lloyd's Register of Shipping.  
MSK

Committee's Minute

NEW YORK MAR 16 1949 JRP

Assigned See First Entry Report attached



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