

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 48997

2- APR 1949

Received at London Office

19 When handed in at Local Office 19 Port of NEW YORK NY  
held at BROOKLYN NY Date, First Survey 9<sup>TH</sup> SEPT 48 Last Survey 7<sup>TH</sup> JAN 49 Number of Visits 3

Single ☒ Twin ☒ Triple ☒ Screw vessel MV LINDA EX LST NO 200 Tons Gross ☒ Net ☒  
By whom built CHICAGO BRIDGE & IRON WORKS Yard No. 4 When built 1943-2

Port belonging to MARACAIBO  
CARIBBEAN PETROLEUM CO SUPERIOR ENGINE DIVISION OF NATIONAL SUPPLY CO Contract No. S 23392 When made 1942-  
at SPRINGFIELD OHIO By whom made DELCO PRODUCTION DIVISION OF GENERAL MOTORS CORP Contract No. S 4366 When made 1942-  
at DAYTON OHIO By whom made

Engine Brake Horse Power 150 EA Nom. Horse Power as per Rule ☒ Total Capacity of Generators 200 Kilowatts.

Type of Engines VERTICAL AUXILIARY DIESELS QBD-8 2 or 4 stroke cycle 4 Single or double acting SINGLE  
Diameter of cylinders 5 1/2" Length of stroke 7" No. of cylinders 8 No. of cranks 8  
Is there a bearing between each crank YES

adjacent to the Crank, measured from inner edge to inner edge 6"  
Flywheel dia. 26 1/2" Weight 194 LBS Means of ignition DIESEL  
Kind of fuel used DIESEL  
as per Rule - as fitted 4 1/2" Crank pin dia. 3 1/2" Crank Webs 6 1/2" Thickness parallel to axis 15/32"  
as per Rule - as fitted 1 1/4" Thickness around eye hole 15/32"

Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners 15/32"  
other arrangement fitted to prevent racing of the engine when declutched YES Means of lubrication FORCED FEED  
Are the exhaust pipes and silencers water cooled or lagged with non-conducting material YES

Pumps, No. ONE FW 140 GPM EACH ONE SW 86 Is the sea suction provided with an efficient strainer which can be cleared within the vessel YES  
Pumps, No. and size Two No. of stages Two Diameters 2 1/2" & 4" Stroke 3" Driven by ELE MOTORS  
Diameters Two Stroke Two Driven by -

ERS:—Have they been made under Survey ☒ State No. of Report or Certificate -  
which can be isolated, fitted with a safety valve as per Rule ☒  
surfaces of the receivers be examined ☒ What means are provided for cleaning their inner surfaces ☒

arrangement fitted at the lowest part of each receiver ☒  
Air Receivers, No. ☒ Cubic capacity of each ☒ Internal diameter ☒ thickness ☒  
Material ☒ Range of tensile strength ☒ Working pressure by Rules ☒

Receivers, No. ☒ Total cubic capacity ☒ Internal diameter ☒ thickness ☒  
Material ☒ Range of tensile strength ☒ Working pressure by Rules ☒

GENERATORS:—Type DRIP PROOF. 2 WIRE. DC GENERATORS  
supply 240 volts. Full Load Current 417 Amperes. Direct or Alternating Current DC  
current system, state the periodicity ☒ Has the Automatic Governor been tested and found as per rule when full load is suddenly is an adjustable

off YES Generators, are they SHUNT compounded as per rule YES  
Are all terminals accessible, clearly marked, and furnished with YES  
distance fitted in series with each shunt field YES  
Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched YES

ating arrangements of the generators as per Rule YES If the generators are under 100 kw. full load rating, have the Makers supplied -  
test ☒ and do the results comply with the requirements ☒ If the generators are 100 kw. or over have they been -  
d under survey ABC. + U.S.N.

approved plans forwarded herewith for Shafting No Receivers - Separate Tanks ☒  
(If not, state date of approval)  
AR 2 Rule requirements

the foregoing is a correct description, ☒

Manufacturer. -



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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 \_\_\_\_\_  
 Connecting rods \_\_\_\_\_ Crank and Flywheel shafts \_\_\_\_\_ Intermediate shafts \_\_\_\_\_  
 Crank and Flywheel shafts, Material D.H. STEEL Identification Marks PD277- (S)  
 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. "LUISE"

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

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

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

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

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

Committee's Minute

Assigned See attached First Entry Report

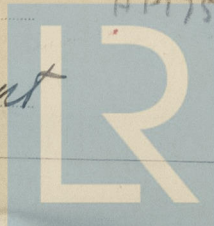
NEW YORK MAR 16 1949

W. Bloomfield for M. S. Keller  
 Surveyor to Lloyd's Register of Shipping.

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