REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 49000

Received at London Office 2- APR 1949

writing Report ..... 19 ..... When handed in at Local Office ..... 19 ..... Port of NEW YORK. N.Y.

in Book. Survey held at BROOKLYN. N.Y. Date, First Survey 11TH OCT 48 Last Survey 26TH FEB 1949

Number of Visits 3

on the ~~Single~~ Twin ~~Triple~~ ~~Quadruple~~ Screw vessel M.V. "LUCIA" EX LST Nº 319 Tons (Gross ✓ Net ✓)

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 SUPERIOR ENGINE DIVISION OF NATIONAL SUPPLY CO ~~Contract~~ No. P 23310 S 23394 When made 1942-

rators made at DAYTON OHIO By whom made DELCO PRODUCTION DIVISION OF GENERAL MOTORS CORP P 195K ~~Contract~~ No. S 339 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. GBD-8 2 or 4 stroke cycle 4 Single or double acting SINGLE

imum pressure in cylinders Diameter of cylinders 5½" 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. 26½" Weight 194 LBS Means of ignition Kind of fuel used DIESEL

ık Shaft, dia. of journals as per Rule ✓ as fitted 4½" Crank pin dia. 3½" Crank Webs Mid. length breadth 6½" Mid. length thickness 1¼" Thickness parallel to axis ✓ ~~shrunk~~ FORGED Thickness around eyehole ✓

vheel Shaft, diameter as per Rule ✓ as fitted ✓ **Intermediate Shafts,** diameter as per Rule ✓ as fitted ✓ Thickness of cylinder liners 15/32"

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 ONE SW 80 } 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 2½" + 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 S 159 I-1-42

ure of supply 240 volts. **Full Load Current** 417 Amperes. **Direct or Alternating Current** D C

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 ~~compounded~~ SHUNT 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

s 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 A.B.S. + 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.

EWK 10/5/49

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. "LUISA"

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 consi good & satisfactory

The two Diesel engines are direct coupled to the generators equipped with battery starting equipment. were reconditioned at th 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 £ ✓ : : When applied for, ... 19

Travelling Expenses (if any) £ ✓ : : When received, ... 19

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

Committee's Minute NEW YORK MAR 16 1949 HP

Assigned See First Entry Report attached

1M-3-42-Transfer-(Printed in U.S.A.)

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