

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 49001

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 14TH SEPT 48 Last Survey 16TH FEB 1949

Number of Visits 3

Single on the Twin Triple Quadruple Screw vessel M.V. LEONA EX LST NO 180

at EVENSTON Ill By whom built MISSOURI VALLEY BRIDGE & IRON WORKS Yard No. 40 When built 1943-

Engines made at SPRINGFIELD OHIO By whom made SUPERIOR ENGINE DIVISION OF MARACAIBO P 23220

Generators made at DAYTON OHIO By whom made NATIONAL SUPPLY CO Contract No. S 23287 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 9BD-8 2 or 4 stroke cycle 4 Single or double acting SINGLE

Minimum pressure in cylinders Diameter of cylinders 5 1/2" Length of stroke 7" No. of cylinders 8 No. of cranks 8

Position of bearings, adjacent to the Crank, measured from inner edge to inner edge 6" Is there a bearing between each crank YES

Revolutions per minute 1200 Flywheel dia. 26 1/2" Weight 194 LBS Means of ignition Kind of fuel used DIESEL

Crank Shaft, dia. of journals as per Rule 4 1/2" Crank pin dia. 3 1/2" Crank Webs Mid. length breadth 6 1/2" Thickness parallel to axis

Intermediate Shafts, diameter as per Rule 1 1/4" Thickness around eye hole

governor or other arrangement fitted to prevent racing of the engine when declutched YES Means of lubrication FORCED FEED

Are the cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material YES

Working Water Pumps, No. ONE SW 86" Is the sea suction provided with an efficient strainer which can be cleared within the vessel YES

Lubricating Oil Pumps, No. and size

Compressors, No. TWO No. of stages TWO Diameters 2 1/2" + 4" Stroke 3" Driven by ELE MOTORS

Sucking Air Pumps, No. Diameter Stroke Driven by

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

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

Are 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

Unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

Working Air Receivers, No. Total cubic capacity Internal diameter thickness

Unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

ELECTRIC GENERATORS:—Type DRIP PROOF, 2 WIRE, D.C. GENERATOR.

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

Is an alternating current system, state the periodicity Has the Automatic Governor been tested and found as per rule when full load is suddenly

Thrown on and off YES Generators, are they SHUNT compounded as per rule YES is an adjustable

Regulating resistance fitted in series with each shunt field YES Are all terminals accessible, clearly marked, and furnished with

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

Certificates of test and do the results comply with the requirements If the generators are 100 kw. or over have they been

Tested and tested under survey A.B.S. + U.S.N.

Are approved plans forwarded herewith for Shafting No Receivers Separate Tanks

RE GEAR To Rule requirements

The foregoing is a correct description,

Manufacturer.

014859-014872-0153

© 2021

Lloyd's Register Foundation

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 Ⓟ D7929 Ⓢ D2918
 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 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 Dieselmotors 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.

IM-342 Transfer. (Printed in U. S. A.)
 (The Surveys are requested not to write on or below the space for Committee Minute.)

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

Committee's Minute NEW YORK MAR 16 1949 ARP

Assigned See First Entry Report attached

Bloomfield for S Keller & self
 Surveyor to Lloyd's Register of Shipping.

Cargo diesel P 920769 pump PJ 735
S 920870 PJ 736

MSK



© 2021

Lloyd's Register Foundation