

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. **19473**

Received at London Office

When handed in at Local Office **10th f. 53** Port of **Genoa**
Date, First Survey **27th f. 53** Last Survey **14-8-1953**

Piston at **Voghera** Date, First Survey **27th f. 53** Last Survey **14-8-1953**
Screw vessel **Yard C.P. 9H** Tons Gross Net

By whom built **Cantiere Navale Pellegriani** Yard No. **89H** When built **1953**
Port belonging to **Voghera**

By whom made **AROMA officina meccanica e fonderie** Engine No. **7732** When made **1953**
PELIZZARI & figli Generator No. **733179** When made **1953**

B.H.P. of each Set **10** M.N. as per Rule Capacity of each Generator **5** Kilowatts.

Essential services **yes**
Type of Engines **FR10** 2 or 4 stroke cycle **H** Single or double acting **single**

Cylinders **58** Diameter of cylinders **115 mm** Length of stroke **160 mm** No. of cylinders **1** No. of cranks **1**
Span of bearings (i.e., distance between inner edges of bearings in way of a crank) **135 mm**

Moment of inertia of flywheel (16 m² or Kg.-cm.²) **1200** Revolutions per minute **1200**
Weight **88 Kg** Means of ignition **compression** Kind of fuel used **diesel oil**

as per Rule **as approved** Crank pin dia. **33 mm** Crank Webs **shrunk**
Generator armature, moment of inertia (16 m² or Kg.-cm.²) **1200**

Means of lubrication **forced** Kind of damper if fitted **no**

Is the sea suction provided with an efficient strainer which can be cleared within the vessel
No. and size **1 gear pump 1 1/2"**

No. of stages Diameters Stroke Driven by

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

Receivers, No. Cubic capacity of each Internal diameter thickness

Material Range of tensile strength Working pressure

Generators: Type **PDU 125 protected self ventilated**

110 volts. Full Load Current **45.5** Amperes. Direct or Alternating Current **direct current**

Generators, are they compounded as per Rule **yes** is an adjustable regulating resistance fitted in series with each shunt field **yes**

Generators, are they so spaced **yes** Are they so spaced **yes**

Generators, are they so spaced **yes** Are the lubricating arrangements of the generators as per Rule **yes**

Generators, are they so spaced **yes** and do the results comply with the requirements **yes**

Plans forwarded herewith for Shafting **12th f. 53** Receivers Separate Tanks

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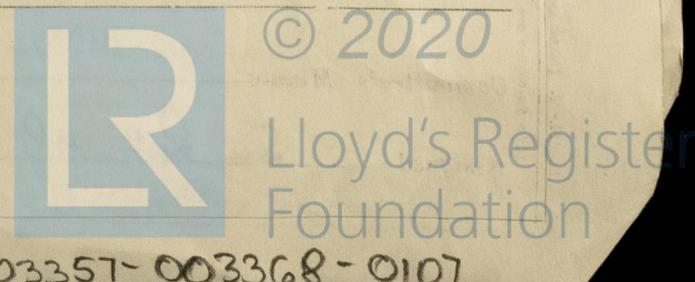
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12/9/53



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ORIGINAL FOR LLOYD'S
COPY SENT TO REGISTER

During progress of work in shops - - - 27. 1. 53
During erection on board vessel - - - ✓
Total No. of visits 2

Dates of Examination of principal parts—Cylinders 27. 1. 53 Covers 27. 1. 53 Pistons 27. 1. 53 Piston
Connecting rods 27. 1. 53 Crank and Flywheel shafts 27. 1. 53 Intermediate shafts

Crank shaft Material S.M. Steel Tensile strength 61.2 12g
Elongation 32.5% Identification Marks LLOYD'S

Flywheel shaft, Material soft cast iron Identification Marks ✓

Identification marks on Air Receivers ✓

Is this machinery duplicate of a previous case no If so, state name of vessel

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This set have been constructed under special materials and in accordance with the approved Rule requirements.
The material and workmanship are good engine coupled to their electric generator and tested under working condition and found

30,651.-T. (MADE AND PRINTED IN ENGLAND)
(The Surveyors are requested not to write on or below the space for Committee Minutes.)

FE £1. 15.000
The amount of Fee 4m 15% £1. 12.750. = When applied for 14/8/ 1953
CAR RUNN - - - - - £1. 255. =
Travelling Expenses (if any) £1. 45.10. = When received 19
REV. TAX - - - - - £1. 526. =

FRIDAY 1 OCT 1954

Committee's Minute
Assigned See Rpt. 46.

Surveyor to Lloyd's Register



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Foundation