

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No 108715

Received at London Office

24 MAY 1940

Writing Report

19

When handed in at Local Office 24 MAY 1940

Port of

LONDON

Survey held at

LONDON

Date, First Survey 22-4-40

Last Survey 8-5-40 19

Number of Visits

7

on the ^{Single} ~~Triple~~ Screw vessel

"EMPIRE CONFIDENCE" ex. "POLAND", ex. "DUSSELDORF"

Tons { Gross 5023
Net 2943

at Veysack

By whom built

Bremer Vulkan

Yard No.

When built 1935

for Royal Mail Lines Ltd.

Port belonging to

LONDON

engines made at

Cuxhaven

By whom made

M.A.N.

Contract No.

When made 1935

ators made at

By whom made

A.E.G.

Contract No.

When made 1935

Sets 3

Engine Brake Horse Power

Nom. Horse Power as per Rule

Total Capacity of Generators 435 Kilowatts.

ENGINES, &c.

Type of Engines

M.A.N. G 6 VU 33

2 or 4 stroke cycle

4 Single or double acting

S.A.

um pressure in cylinders

Diameter of cylinders

220 mm

Length of stroke

330 mm

No. of cylinders

6

No. of cranks

6

f bearings, adjacent to the Crank, measured from inner edge to inner edge

242 mm

Is there a bearing between each crank

yes

tions per minute

465

Flywheel dia.

1440

Weight

✓

Means of ignition

compression

Kind of fuel used

gas oil

k Shaft, dia. of journals

as per Rule

✓

as fitted

148 mm

Crank pin dia.

130 mm

Crank Webs

Mid. length breadth

230 mm

Thickness parallel to axis

✓

heel Shaft, diameter

as per Rule

✓

Intermediate Shafts, diameter

as per Rule

✓

as fitted

110 mm

Thickness of cylinder liners

14 mm

overnor or other arrangement fitted to prevent racing of the engine when declutched

yes

Means of lubrication

✓

the cylinders fitted with safety valves

yes

Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

yes

ng Water Pumps, No.

connected to main C.W. pump

Is the sea suction provided with an efficient strainer which can be cleared within the vessel

yes

icating Oil Pumps, No. and size

1 off each engine (gear type)

Compressors, No.

none

No. of stages

1

Diameters

12 in

Stroke

12 in

Driven by

✓

enging Air Pumps, No.

none

Diameter

✓

Stroke

✓

Driven by

✓

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule

yes

the internal surfaces of the receiver be examined

yes

What means are provided for cleaning their inner surfaces

detachable head.

ere a drain arrangement fitted at the lowest part of each receiver

yes

Pressure Air Receivers, No.

none

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.

1, (also connected to main receivers)

Total cubic capacity

200 litres

Internal diameter

not opened out

thickness

✓

less, lap welded or riveted longitudinal joint

Seamless

Material

✓

Range of tensile strength

✓

Working pressure by Rules

✓

ELECTRIC GENERATORS:—Type

A117

sure of supply

230 volts.

Full Load Current

630

Amperes.

Direct or Alternating Current

D.C.

terating current system, state the periodicity

✓

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off

yes

erators, are they compounded as per rule

yes

is an adjustable regulating resistance fitted in series with each

t field

yes

Are all terminals accessible, clearly marked, and furnished with sockets

yes

hey 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

se generators are under 100 kw. full load rating, have the makers supplied certificates of test

✓

and do the results comply with the requirements

✓

se generators are 100 kw. or over have they been built and tested under survey

no.

Are approved plans forwarded herewith for Shafting

no.

Receivers

no.

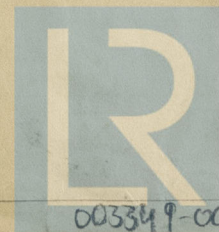
Separate Tanks

no.

GEAR

The foregoing is a correct description,

Manufacturer.



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Lloyd's Register

003349-003356-0179 Foundation

During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits

Dates of Examination of principal parts—Cylinders 22-4-40 Covers 22-4-40 Pistons 22-4-40 Piston rods ✓

Connecting rods 22-4-40 Crank and Flywheel shaft 22-4-40 Intermediate shaft 22-4-40

Crank and Flywheel shafts, Material ✓ Identification Mark ✓

Intermediate shafts, Material ✓ Identification Marks ✓

Is this machinery duplicate of a previous case ✓ If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, etc.) These engines are situated in engine room lower platform, starboard side, the two after engines are driven on air compressor through a friction clutch in addition to a generator. Machinery examined under working conditions found satisfactory. These generator engines as now seen are in good condition. For recommendation please see Report form of attached.

Handwritten notes and signatures scattered across the page, including "asp", "F11A", and "19".

The amount of Fee ...
When applied for, 19...
When received, 19...

J. E. Dupire
Surveyor to Lloyd's Register of Shipping



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