

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No 108715

Received at London Office

24 MAY 1940

Writing Report

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

3 on the

Screw vessel "EMPIRE CONFIDENCE" ex. "POLAND", ex. "DUSSÉLOORF"

Tons

Gross 5023

Net 2943

at Veerhoek

By whom built

Bremer Vulcan

Yard No.

When built 1935

Royal Mail Lines Ltd.

Port belonging to

London

engines made at

Cuxslewy

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. G6VU33 2 or 4 stroke cycle 4 Single or double acting S.A.

um pressure in cylinders Diameter of cylinders 220mm Length of stroke 330mm No. of cylinders 6 No. of cranks 6

f bearings, adjacent to the Crank, measured from inner edge to inner edge 242mm 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 Crank pin dia. 130mm Crank Webs Mid. length breadth 230mm Thickness parallel to axis

heel Shaft, diameter as fitted 148mm Intermediate Shafts, diameter as per Rule as fitted 110mm Thickness of cylinder liners 14mm

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

ng Water Pumps, No. 5 connected to main C.W. pumps 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. 1 No. of stages 2 Diameters 4ft 2 square inches 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 4ft 2 square inches thickness

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

ELECTRIC GENERATORS: Type A117

asure 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 yes

se generators are 100 kw. or over have they been built and tested under survey no.

NS. Are approved plans forwarded herewith for Shafting no. Receivers no. Separate Tanks no.

RE GEAR

The foregoing is a correct description,

Manufacturer.



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