

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 748

Received at London Office 16 FEB 1950
NOTTINGHAM.

When handed in at Local Office

Port of

held at Lincoln.

Date, First Survey

Last Survey

19

Single
Twin
Triple
Druple

Number of Visits

Tons

Gross

Net

By whom built

Yard No.

When built

Colonial Development Company.

Port belonging to

12/490180-1-2.

Lincoln

By whom made

Ruston & Hornsby Ltd.

Contract No.

When made

Glasgow

By whom made

The Macfarlane Eng. Co. Ltd.

Contract No.

When made

Engine Brake Horse Power

100

M.N. as per Rule

25

Total Capacity of Generators

187.5

KVA

Kilowatts

essential services

&c.—Type of Engines 5VPHZ. Nos. 282305-6-7.

2 or 4 stroke cycle 4

Single or double acting SA

cylinders 1000 lbs.

Diameter of cylinders

5.3/8"

Length of stroke

8"

No. of cylinders 5

No. of cranks 5

Firing order in cylinders 1-3-5-4-2

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge

6.25/32"

between each crank Yes

WD2

Moment of inertia of flywheel

1870 lb.ft

Revolutions per minute

1000

26"

Weight

630 lbs.

Means of ignition

Compression

Kind of fuel used

Diesel Oil

as per Rule

4.3/16"

Crank pin dia.

31/4"

Crank Webs

Mid. length breadth 5 5/8"

Thickness parallel to axis

-

as fitted

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Crank pin dia.

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Dates of Survey while building { During progress of work in shops - - 16.2.49., 23.2.49., 15.8.49., 12.11.49., 9.1.50., 18.1.50.
During erection on board vessel - - -
Total No. of visits 6

Dates of Examination of principal parts—Cylinders 15.8.49., 2.11.49., 9.1.50. Covers as cyls. Pistons as cyls. Piston 23.2.49.
Connecting rods as cyls. Crank and Flywheel shafts as cyls., 16.2.49., / Intermediate shafts

Crank shaft { Material Tensile strength LL.3140 RE.11
Elongation Identification Marks LL.3139 RE.11
Flywheel shaft, Material Identification Marks LL.3153 RE.11

Identification marks on Air Receivers

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

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

This machinery has been built under Special Survey, in accordance with plans and regulations of the Society, material and workmanship being good.

On completion, the alternators were tried in the shops under working of the governors tried with satisfactory results.

The sets have been forwarded

GENERAL R

The amount of Fee

£ 5 : 0 : 0

When applied for 14-2-1950

Travelling Expenses

(if any) £

When received

19

Committee's Min

TUES. 12 JUN 1951

Assigned

for Classin Committee



Surveyor to Lloyd's Register

Lloyd's Register Foundation

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ave been
full load

Date
Date