

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15188

Writing Report

11.9.33

When handed in at Local Office

19.9.33

Port of Southampton

Received at London Office

19 OCT 1933

Survey held at
Book.

Jemie.

Date, First Survey

28.7.33

Last Survey

7.9.33

Number of Visits

3

20. on the
Single
Triple
Quadruple

Screw vessel

Motor tank Barge SEVERN CARRIER

Tons { Gross 118
Net

at Bristol

By whom built

Charles White

Yard No. 205

When built 1933

Sewer & canal carrying to.

Port belonging to

Bristol

Engines made at

Jemie, England

By whom made

Pettus Ltd.

Contract No.

When made 1933

Generators made at

By whom made

Brampton Parkinson

Contract No.

When made 1933

of Sets 1

Engine Brake Horse Power

7

Nom. Horse Power as per Rule

Total Capacity of Generators

2½

Kilowatts.

ENGINES, &c.—Type of Engines Pettus Atomic Diesel

2 or 4 stroke cycle

2

Single or double acting

Single

Mean pressure in cylinders

630 lb

Diameter of cylinders

4½"

Length of stroke

6½"

No. of cylinders

1

No. of cranks

1

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

6½"

Is there a bearing between each crank

Yes

Revolutions per minute

650

Flywheel dia.

28"

Weight

340 lb

Means of ignition

Compression

Kind of fuel used

Heavy Oil

Crank Shaft, dia. of journals

as per Rule

2½"

Crank pin dia.

2½"

Crank Webs

Mid. length breadth

3¾"

Thickness parallel to axis

Main Shaft, diameter

as per Rule

2½"

Intermediate Shafts, diameter

as per Rule

Thickness of cylinder liners

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

Yes

Means of lubrication

Jemie.

Are the cylinders fitted with safety valves

No

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

Working Water Pumps, No.

1

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

Lubricating Oil Pumps, No. and size

1 mechanical

Compressors, No.

1

No. of stages

Single

Diameters

3"

Stroke

3½"

Driven by Aux. Engines

Working Air Pumps, No.

Diameter

Stroke

Driven by

RECEIVERS:—Is 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

Pressure Air Receivers, No.

Cubic capacity of each

Internal diameter

thickness

Is the joint, 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

Is the joint, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure by Rules

ELECTRIC GENERATORS:—Type

Brampton Parkinson

4 pole.

Voltage of supply

110

volts.

Load

68

Amperes.

Direct or Alternating Current

D.C.

Is the alternating current system, state frequency of periods per second

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

Yes

Do the generators, do they comply with the requirements regarding rating

Yes

are they compound wound

Yes

Is the generator over compounded 5 per cent.

, if not compound wound state distance between each generator

Is there adjustable regulating resistance fitted in series with each shunt field

Yes

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

Yes

Are the terminals 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

Are approved plans forwarded herewith for Shafting

Yes

Receivers

Separate Tanks

GEAR

See attached list

The foregoing is a correct description,

J. P. Pettus & Co. Ltd. Manufacturer.



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Lloyd's Register
Foundation

009631-009639-0098

Dates of Survey while building { During progress of work in shops - - 29.7.33 28.8.33 7.9.33
During erection on board vessel - - - Sept. 21, 22,
Total No. of visits 5.

Dates of Examination of principal parts - Cylinders 28.7.33 Covers 28.7.33 Pistons 28.7.33 Piston rods 28.7.33

Connecting rods ✓ Crank and Flywheel shaft 28.7.33 Intermediate shaft ✓

Crank and Flywheel shafts, Material on site 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, &c.)

This auxiliary machinery has been constructed under special survey according to the Rules & approved plans & the materials & workmanship are sound & good.

The machinery has been tried in the Shop under working conditions & found satisfactory.

This auxiliary machinery has now been fitted & secured on board according to the Rules, it has been tried under full working conditions & found satisfactory.

The amount of Fee ... £ :

Travelling Expenses (if any) £ :

When applied for,

19.....

When received,

19.....

John L. Gwynne J. Macmillan & J. Anderson.
Surveyors to Lloyd's Register of Shipping.

Committee's Minute

Assigned

FRI. 3 NOV 1933

See Brs. J.E. 12969



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Lloyd's Register
Foundation

Rpt. 13

RI

Date of

No. in
Reg. Bo

19520

Built at

Owners

Electric

Is the V

System

Pressure

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Position

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if situated

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Switchbo

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Light

Instrume

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Switches

Joint Bo