

REPORT ON ~~OIL~~ ENGINE ELECTRIC GENERATOR SETS.

No. 3407

Received at London Office AUG 14 1939

Date of writing Report April 20, 39 When handed in at Local Office

Port of

Boston, Massachusetts

No. in Survey held at  
Reg. Book.

Lynn, Mass.

Date, First Survey Jan. 4

Last Survey Jan. 13, 19 39

Number of Visits 4

Single  
on the Twin  
Triple  
Quadruple  
Screw vesselTons { Gross  
Net

Built at Sparrows Point, Md.

By whom built

Bethlehem Steel Company

Yard No. 4333

When built 1939

Owners Socony-Vacuum Oil Company

Port belonging to

Turbine

Engines made at Lynn, Mass.

By whom made

General Electric Company Contract No.

When made 1939

Generators made at Fort Wayne, Ind.

By whom made

General Electric Company Contract No.

When made 1938

No. of Sets 2

Engine Brake Horse Power

✓

Nom. Horse Power as per Rule

✓

Total Capacity of Generators 600 Kilowatts.

IL ENGINES, &amp;c.—Type of Engines

2 or 4 stroke cycle Single or double acting

Maximum pressure in cylinders

Diameter of cylinders

Length of stroke

No. of cylinders

No. of cranks

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

Is there a bearing between each crank

Revolutions per minute

Flywheel dia.

Weight

Means of ignition

Kind of fuel used

Crank Shaft, dia. of journals

Crank pin dia.

Crank Webs

Mid. length breadth

Thickness parallel to axis

as per Rule

as fitted

Mid. length thickness

Thickness around eyehole

Flywheel Shaft, diameter

Intermediate Shafts, diameter

as per Rule

Thickness of cylinder liners

Is a governor or other arrangement fitted to prevent racing of the engine when declutched

Means of lubrication

Are the cylinders fitted with safety valves

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

Cooling Water Pumps, No.

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

Lubricating Oil Pumps, No. and size

Air Compressors, No.

No. of stages

Diameters

Stroke

Driven by

Scavenging Air Pumps, No.

Diameter

Stroke

Driven by

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

Can 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

High Pressure Air Receivers, No.

Cubic capacity of each

Internal diameter

thickness

Seamless, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure by Rules

Starting Air Receivers, No.

Total cubic capacity

Internal diameter

thickness

Seamless, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure by Rules

ELECTRIC GENERATORS:—Type M P C Six pole 300 K.W.

Pressure of supply

240 volts.

Load

1250

Amperes.

Direct or Alternating Current

Direct

If 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

Generators, do they comply with the requirements regarding rating

Yes

are they compound wound

Yes

are they over compounded 3.5 per cent. regulation. Yes to suit turb., if not compound wound state distance between each generator

is an adjustable regulating resistance fitted in series with each shunt field

Yes

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

Yes

are they 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

PLANS. Are approved plans forwarded herewith for Shafting

(If not, state date of approval)

Receivers

Separate Tanks

SPARE GEAR (1) Commutating field coil (1) Main field coil (1) Bearing lining.

(1) Brush holder (3) Springs (36) Brushes

The foregoing is a correct description,

GENERAL ELECTRIC COMPANY  
BY A. G. GALE

Manufacturer.



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Foundation

01/823 4/825-0/22

Dates of Survey while building { During progress of work in shops - - Feb. 7-10-23-24, 1939  
During erection on board vessel - - -  
Total No. of visits

Dates of Examination of principal parts—Cylinders ✓ Covers ✓ Pistons ✓ Piston rods ✓

Connecting rods ✓ Crank and Flywheel shaft ✓ Intermediate shaft ✓

**GENERATOR SHAFT**

Material ~~XXXXXXXXXXXXXX~~ O.H. Steel 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. The above generators were built under Special Survey and Tested under full load in the shop with satisfactory results. The material and workmanship are good.

The amount of Fee ... £ : : When applied for, 19  
Travelling Expenses (if any) £ : : When received, 19

Committee's Minute

NEW YORK AUG 2-1939

Assigned See attached report salt. NO. 6825.

Thomas Barrie  
Surveyor to Lloyd's Register of Shipping.



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