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REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 924

Received at London Office

AUG 14 1939

Date of writing Report Dec. 29th, 1938 When handed in at Local Office

Port of Cleveland, Ohio.

Place in Survey held at Fort Wayne, Ind.

Date, First Survey Nov. 30th, Last Survey Nov. 30th, 1938

By Book Single or the Twin Screw vessel
Quadruple
MAY 15 1900
LLOYD'S REGISTER OF SHIPPING

Number of Visits 1

Tons { Gross
Net

Built at Sparrows Point, Md. By whom built Bethlehem S.B. Co. Yard No. 4332-4333 When built

Owners Socony Vacuum Oil Co. Port belonging to

Oil Engines made at - By whom made - Contract No. - When made -

Generators made at Fort Wayne, Ind. By whom made General Electric Co. Nos. 175086-7-8-9 When made 1938

No. of Sets 2 Engine Brake Horse Power - Nom. Horse Power as per Rule - Total Capacity of Generators 600 Kilowatts. Each set

STEAM ENGINES, &c. Type of Engines Steam Turbines built by General Electric Co. Lynn, Mass. 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 as per Rule - as fitted - Crank pin dia. - Crank Webs Mid. length breadth - Thickness parallel to axis - shrunk - Mid. length thickness - Thickness around eyehole -

Flywheel Shaft, diameter as per Rule - as fitted - Intermediate Shafts, diameter as per Rule - as fitted - 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 300 K.W. 200 Volts, 1200 R.P.M. D.C. Continuous, Two Wire, Self Ventilating, Open Drip Proof. (4) Generators, 2 sets, to operate in parallel: Pressure of supply - volts. Load - Amperes. Direct or Alternating Current

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 -

Generators, do they comply with the requirements regarding rating - are they compound wound -

are they over compounded 5 per cent. - , if not compound wound state distance between each generator -

is an adjustable regulating resistance fitted in series with each shunt field - Are all terminals accessible, clearly marked, and furnished with sockets -

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched - Are the lubricating arrangements of the generators as per Rule -

PLANS. Are approved plans forwarded herewith for Shafting - Receivers - Separate Tanks - (If not, state date of approval)

SPARE GEAR -

The foregoing is a correct description,



Manufacturer.



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Dates of Survey while building { During progress of work in shops - - - November 30th, 1938
 { During erection on board vessel - - - NOV 30th, 1938.
 Total No. of visits - - - One (1)

Dates of Examination of principal parts—Cylinders - Covers - Pistons - Piston rods -
 Connecting rods - Crank and Flywheel shaft - Intermediate shaft -
 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, &c. -

The generator parts were examined during construction and found satisfactory. The completed machines were shipped to the Manufacturer's works at Lynn, Mass., where the running tests are to be made in conjunction with the steam turbines.

100,38—Transfer.
 (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... x \$100.00 : When applied for, 1/16/1939
 Travelling Expenses (if any) x \$ 30.00 : When received, Jan. 9, 1939

D. Drummond
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK AUG 2 - 1939

Assigned See attached Report salt. NO. 6 P25.