

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 391

Date of writing Report _____ 19__ When handed in at Local Office _____ 19__ Port of Cleveland, Ohio Received at London Office _____ 11 DEC 1928

No. in Survey held at Mount Vernon, Ohio Date, First Survey May 17-26 Last Survey June 17 1927
 Reg. Book. _____ Number of Visits 3

44302 on the Single Screw vessel "J. A. MOFFETT JR" Tons { Gross 9565
Triple Net 5948
Quadruple

Built at Nearby, W.V. By whom built General S. B. Boy Yard No. 50 When built 1921-8
 Owners Standard Shipping Co. Port belonging to Wilmington, Del.
 Oil Engines made at Mount Vernon By whom made B. G. Cooper Co. Contract No. _____ When made 1927
 Generators made at East Pittsburgh By whom made Westinghouse 67M Co Contract No. _____ When made _____
 No. of Sets 3 Engine Brake Horse Power 150 Nom. Horse Power as per Rule _____ Total Capacity of Generators 200 Kilowatts.

OIL ENGINES, &c.—Type of Engines MAN Diesel auxiliary or 4 stroke cycle 4 Single or double acting 5
 Maximum pressure in cylinders 625# Diameter of cylinders 12" Length of stroke 18 No. of cylinders 3 No. of cranks 3
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 16" Is there a bearing between each crank yes
 Revolutions per minute 260 Flywheel dia. 6'-3" Weight 8400# Means of ignition Solid Kind of fuel used Diesel
 Crank Shaft, dia. of journals as per Rule 6.70 (500#) Crank pin dia. 4 1/2" Crank Webs Mid. length breadth 10 1/2" Thickness parallel to axis _____
 as fitted 4 1/2" Mid. length thickness 4 1/4" shrunk Thickness around eyehole _____
 Flywheel Shaft, diameter as per Rule _____ Intermediate Shafts, diameter as per Rule _____ Thickness of cylinder liners _____
 as fitted 4 1/2" as fitted _____
 Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication Forced
 Are the cylinders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material cooled
 Cooling Water Pumps, No. 1 - Direct Conn. Is the sea suction provided with an efficient strainer which can be cleared within the vessel
 Lubricating Oil Pumps, No. and size 1 - Direct Connected
4 Balls per line.
 Air Compressors, No. 2 No. of stages 3 Diameters 80. 340. 380 Stroke 250 Driven by Direct coupled
 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 Westinghouse D.C. Commutating - Pole
 Pressure of supply 240 volts. Load 425 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 5 per cent. yes, 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 _____
 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 Forwarded with Rpt 391 on main logs. Receivers _____ Separate Tanks
 (If not, state date of approval) July 1927

SPARE GEAR Furnished as required by the Rules.

The foregoing is a correct description,
The C & Cooper Co - Rep. B. Boy

Manufacturer.



Dates of Survey while building

May 18, June 17, July 19.

During progress of work in shops - -
 During erection on board vessel - - -
 Total No. of visits 3.

Dates of Examination of principal parts—Cylinders *June 17, July 19* Covers *June 14, July 19* Pistons *June 17, July 19* Piston rods

Connecting rods *June 17, July 19* Crank and Flywheel shaft *June 14, July 19* Intermediate shaft

Crank and Flywheel shaft, Material *Steel* Identification Mark *LLOYD'S N.J.F.* Intermediate shafts, Material */* Identification Marks *- /*

Is this machinery duplicate of a previous case *No.* If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

The above engines have been built under special survey & in accordance with the approved plans.

Notes
11/19/28

The amount of Fee ... *\$167.50* When applied for, *July 27* 19...
 Travelling Expenses (if any) *\$44.50* When received, *Sept 27* 19...

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

Committee's Minute
 Assigned *See Clv. Rpt 391 + N.Y.K. Rpt 28452.*