



- Satisfactory
- Unsatisfactory
- Urgent

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**INSPECTION AND PREVENTIVE MAINTENANCE
 SERVICE REPORT**

Customer Name	Critical Infrastructure
Equipment Location	50 East Greg St. suite, 101
Equipment Model	PE6068L871178
Equipment Serial No.	3062125
Unit No.	200 Kohler
Hours	53.3 to 54.5
KW	200
Voltage	277/480

Work Order 21914
 Field Tech Andrew Malone
 Tech email AM
 Reviewer blopes@cagene

Date 9/25/2019
 Generator Model 200RE0ZJF
 Generator Serial No. 3062125
 Service Interval

- M Q SA A LT
- LT/O PM3 AF OS FS
- CS TS BATT FP REP

Service Items	Satisfactory	Unsatisfactory	Comments
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Cooling System

Radiator/Heat Exchanger	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Coolant	<input checked="" type="radio"/>	<input type="radio"/>	Not Changed <input type="button" value="v"/> Full <input type="button" value="v"/> SCA: No <input type="button" value="v"/> Freeze Protect: <= -30 <input type="button" value="v"/>
Hoses and Connections	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Fan Drive Pulley and Fan	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Fan Belts	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Jacket Water Heater	<input checked="" type="radio"/>	<input type="radio"/>	Water Heater inspected. Water temperature is: 59 Deg. F.
Water Pump	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Thermostats	<input checked="" type="radio"/>	<input type="radio"/>	Inspected 183 Deg. F.

Fuel System

Fuel Tank	<input checked="" type="radio"/>	<input type="radio"/>	Level is: Full <input type="button" value="v"/>
Water Trap Separator	<input checked="" type="radio"/>	<input type="radio"/>	N/A
Fuel Lines & Connections	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Governor & Controls	<input checked="" type="radio"/>	<input type="radio"/>	N/A
Fuel Filters-Prim/Sec.	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Fuel Pressure	<input checked="" type="radio"/>	<input type="radio"/>	Inspected Good

Air Induction and Exhaust System

Air Filter	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Air Filter Service Indicator	<input checked="" type="radio"/>	<input type="radio"/>	N/A
Air Inlet System	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Turbocharger	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Exhaust Manifold	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Exhaust System	<input checked="" type="radio"/>	<input type="radio"/>	Inspected

Lube Oil System

Oil	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Oil Filters	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Oil Pressure	<input checked="" type="radio"/>	<input type="radio"/>	Oil Pump inspected. Oil Pressure is: 53 Psi
Crankcase Breather	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
S.O.S (Oil Sample)	<input checked="" type="radio"/>	<input type="radio"/>	No sample taken.

Starting System

Batteries	<input type="radio"/>	<input checked="" type="radio"/>	Recommend Replacement Group 31 <input type="button" value="v"/> Dated: ????
Batteries-Specific Gravity	<input checked="" type="radio"/>	<input type="radio"/>	Inspected Maint. free <input type="button" value="v"/> Qty: 2 <input type="button" value="v"/>
Battery Charger	<input checked="" type="radio"/>	<input type="radio"/>	Inspected 25.3 VDC
Starting Motor	<input checked="" type="radio"/>	<input type="radio"/>	Inspected 19.25 VDC (Volt. Drop)
Alternator	<input checked="" type="radio"/>	<input type="radio"/>	Inspected 27.92 VDC

Engine Monitors & Safety Controls

Gauges	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Safety Controls	<input checked="" type="radio"/>	<input type="radio"/>	Inspected

Service Items	Satisfactory	Unsatisfactory	Comments
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Generator

Bearings	<input checked="" type="radio"/>	<input type="radio"/>	N/A
Space Heaters	<input checked="" type="radio"/>	<input type="radio"/>	N/A
Vibration Isolators	<input checked="" type="radio"/>	<input type="radio"/>	Inspected

Control Panel

Start Controls- Man/Auto	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Voltmeter	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Ammeter	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Frequency Meter	<input checked="" type="radio"/>	<input type="radio"/>	Inspected
Circuit Breaker	<input checked="" type="radio"/>	<input type="radio"/>	Inspected

Customer Name	Critical Infrastructure
Equipment Location	50 East Greg St. suite, 101
Equipment Model	PE6068L871178
Equipment Serial No.	3062125

Work Order 21914

Date 09/25/2019
 Generator Model 200RE0ZJF
 Generator Serial No. 3062125

Unit No.		200 Kohler							
Load Bank Test				AC - Three Phase			Power Factor: 1		
Time	Time of Day	kW	V.A.C	AMPS	Hz	H2O Temp	Oil PSI	Batt. Volts	Amb Temp
0:00	12:00 PM	100	480	120	60	185 Deg. F.	53 Psi	27.92	65
0:15	12:15 PM	196	480	236	60	185 Deg. F.	53 Psi	27.92	65
0:30	12:30 PM	196	480	236	60	185 Deg. F.	53 Psi	27.92	65
0:45	12:45 PM	196	480	236	60	185 Deg. F.	53 Psi	27.92	65
1:00	1:00 PM	196	480	236	60	185 Deg. F.	53 Psi	27.92	65
1:15	1:15 PM	0	0	0	0	0	0	27.92	65
1:30	1:30 PM	0	0	0	0	0	0	27.92	65
1:45	1:45 PM	0	0	0	0	0	0	27.92	65
2:00	2:00 PM	0	0	0	0	0	0	27.92	65
Cooldown (5 min.)		0							
Comments		System left in manual/Off Breaker (Open) No time added No deviation to work detail							
<p>I performed an inspection only issue noted was one of the Battery posts on one Battery was Damaged, I was still able to attach cable and Start the Engine. I then hooked up the Load Bank and Cables. I then removed fuel lines and set up a Temporary Fuel Supply. I then Primed Fuel System and then hooked up the Battery's. I then set up my Fluke 3 Phase Power meter so the Customer could see the Power produced. I then started the Generator and loaded to 100 kW let it warm up and then put 196kW load on the Genset for 30 minutes. I then removed load let it cool down. I then removed cables and the temporary Fuel supply and hooked up the Fuel lines. I then removed the Battery Cables to power down the Genset Controls and closed the Doors to the Unit. 1 Hr. Load Bank Test Completed with out any issues.</p> <p>**15 Gallons of Fuel Used**</p>									
Recommendations		Men required for recommended job Hours required for recommended job (ea.)							
<ul style="list-style-type: none"> • • • • • • • • 									
MANIFEST REPORT									
TOTAL GALLONS OF HAZARDOUS WASTE REMOVED FROM FACILITY									
OIL (TOTAL)	0	COOLANT (TOTAL)	0						
FILTER (TOTAL)	0	BATTERIES (TOT.)	N/A						
I certify that all of the information provided in this report is to the best of my knowledge, correct and complete.									
CUSTOMER:	Collin Glenny			TECHNICIAN:	Andrew Malone				
CUST. EMAIL:	<u>cglenny@cigroup-us.com</u>			SIGNATURE:	<i>Andrew Malone 09/25/2019</i>				