

## PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST EMERGENCY GENERATORS

**SITE AND BLDG #:** NY059 - 01 Main Building

**MECHANIC SIGNATURE:** *Christopher N Pothier* **DATE:** 3 / 7 / 19

**LOCATION/RM #:** Outside **WO#** 2681 **ASSET #** 10374

**START TIME:** **FINISH TIME:**

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	X		
2	Review and follow manufacturer's instructions. One copy of the instruction manual(s) shall be kept in a secure, convenient location near the equipment and another kept in a different location.	X		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	X		
4	A written record of all inspections, service, tests, operation, and repairs to the emergency generator shall be maintained in an equipment log book and kept on the premises. This record shall include the date of maintenance, identity of service personnel, and notation of any unsatisfactory condition and the corrective action taken, including parts replaced.		X	No log book was found on site. Notified personel and supervisor about state of generator.
5	Have a properly serviced fire extinguisher in proper working order on hand.	X		
6	Follow NFPA 110 and 111 for operation and maintenance requirements.	X		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Fuel, check main and day tank fuel supply levels; day tank float switch; piping, hoses and connectors; operating fuel pressure; and for any obstructions to tank vents and overflow piping		X	Could not obtain operating fuel pressure, unit will not start
2	Oil (check for proper oil level and oil operating pressure; lube oil heater) • Engine oil level should be checked with the unit stopped • Check unit for recommended proper oil pressure		X	Could not obtain operating oil pressure, unit will not start
3	Cooling system (check coolant level, water pump(s), jacket water heater, belts, hoses, fan)	X		

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
4	Exhaust system, check for leaks while unit is running.		X	unit will not start.
5	Battery system [look for possible corrosion; check specific gravity, electrolyte level (a level between 1250 and 1275 is acceptable) and battery charger. Use distilled water to maintain battery water level.]		X	Battery trickle charger appears to not function. Battery will not start the generator.
6	Electrical (conduct a general inspection of wiring and connections; check circuit breakers/fuses, look for discoloration or signs of overheating)	X		
7	Generator (Check for debris, foreign objects, loose or broken fittings; check guards and components; look for any unusual condition of vibration, leakage, noise, temperature or deterioration)		X	Visually checks ok, cannot know of running state, unit will not start.

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed discription of the deficiency.

To be performed by: General Maintenance Worker

**Additional Notes:**

The personel on site told me that the generator had not worked a few months ago, and that the battery had been replaced and a trickle charger had been added.

The trickle charger does not appear to function and the generator will not start either manually or on its automatic weekly half hour run.