

# Load Test Form

Date: \_\_\_\_\_ Location: \_\_\_\_\_  
 Customer: \_\_\_\_\_ Technician: \_\_\_\_\_  
 Model: \_\_\_\_\_ Serial #: \_\_\_\_\_ kW Rating \_\_\_\_\_  
 Voltage: \_\_\_\_\_ Unit Hours: \_\_\_\_\_ Rotation: CW CCW

time	Engine		Amps			Voltage	Freq.	%Load	kW	Exhaust Temp
	temp - F	oil - PSI	Leg A	Leg B	Leg C					
Start:										
+15 min										
+30 min										
+45 min										
+1 hr										
+1 hr 15 min										
+1 hr 30 min										
+1 hr 45 min										
+2 hrs										

time	Engine		Amps			Voltage	Freq.	%Load	kW	Exhaust Temp
	temp - F	oil - PSI	Leg A	Leg B	Leg C					
+2 hrs 15 min										
+2 hrs 30 min										
+2 hrs 45 min										
+3 hrs										
+3 hrs 15 min										
+3 hrs 30 min										
+3 hrs 45 min										
+4 hrs										

Passed      Failed

4-hour load test per NFPA 110, chapter 8.4.9, 2010 edition

### Diesel Generators

- Connect the loadbank to the system leaving the building load connected.
- Start the EPS using a transfer switch then transfer **all** transfer switches to the generator.
- Add supplemental load to 30%. Run the EPS for 3 hours at a minimum of 30% load.
- Add load to 75% minimum for the final hour.
- It is OK if the building load exceeds the above load up to 100% of the EPS nameplate rating.

### Gas Generators

- Start the EPS using a transfer switch then transfer all transfer switches to the generator. No loadbank is required. Available load is all that is needed.

## Instructions

4-hour load test per NFPA 110, chapter 8.4.9, 2010 edition

### Diesel Generators

- Connect the loadbank to the system leaving the building load connected.

Technician's initials \_\_\_\_\_

- Start the EPS using at least one transfer switch then transfer **all** transfer switches to the generator. The generator company must locate and identify **all** transfer switches, both automatic and manual.

Technician's initials \_\_\_\_\_ Time to transfer from start \_\_\_\_\_ seconds

- Add supplemental load to 30% of the nameplate rating. Run the EPS for 3 hours at a minimum of 30% load.

Technician's initials \_\_\_\_\_

- Increase load to 75% minimum for the final hour.

Technician's initials \_\_\_\_\_

It is OK if the building load exceeds the above load up to 100% of the EPS nameplate rating.

### Gas Generators (Natural gas or LPG)

- Start the EPS using a transfer switch then transfer **all** transfer switches to the generator. No loadbank is required. Available load is all that is needed. Run the system for 4 hours and take readings every 15 minutes.

If during the Load Test a transfer switch door is left open or any electrical hazard is present, an attendant must be stationed in the area to keep other persons not directly involved in the task away from potential danger. NFPA 70E, article 130.7 (E) (3)

Technician's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Witnessed by: \_\_\_\_\_

Owner's representative