



Load Bank Testing

FOR A CLEANER RUNNING, MORE EFFICIENT GENERATOR

OVERVIEW

A comprehensive preventative maintenance program is critical to the reliability of your standby generator and Load Bank Testing is an essential part of good maintenance practices.

Performing an annual load bank test helps to extend the engine life of the generator set and helps to insure reliable operation in the event of an extended power outage. This valuable test helps insure system integrity by testing the generator set at full load, making sure that the system properly functions and performs. The engine is designed to run at full load. Lightly loaded systems or those exercised weekly without load are subject to performance deterioration and wet-stacking.

Wet stacking is a condition in diesel engines in which all of the fuel is not burned and passes through the exhaust valves on into the exhaust side of the turbocharger and into the exhaust system. In these generator sets, it is usually due to the fact that the generator is running at only a small percentage of its capacity. Wet stacking is detectable when there is a black "tar-like" substance around the exhaust pipe connections and around the turbocharger. Good preventive maintenance is critical for proper generator function.

BENEFITS OF LOAD BANK TESTING

- Extend the engine life of the generator set
- Insures system integrity
- Allows engine to reach full operating temperature and burns out accumulation of un-burnt fuel
- Documents the performance capabilities of the generator set
- Cleans out wet-stacking problems
- Reveals any system malfunctions that are likely to occur during an extended power outage



WHEN SHOULD LOAD BANK TESTING BE PERFORMED?

Most major manufacturers recommend Load Bank Testing be performed on an annual basis in lengths of either 2 Hours or 4 Hours, or longer, depending on the size and application of the generator set.

Call us today at 770-381-2424 to add this valuable service to your preventative maintenance plan!

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