

Generator Service

Load Bank Testing Generator Maintenance



Load Bank testing is required by law in accordance with the National Fire Protection Association Code 110, (Standard For Emergency & Standby Power System) where life safety electrical power needs are involved.

Load Bank Testing confirms the ability of your generator to produce a given kW and attain proper engine operating temperature.

- Benefits of load bank testing are:
 - Exercising of cooling system
 - Reseat engine piston rings in the cylinders and liners
 - Burn off carbon deposits in the combustions chamber, injector nozzles, piston rings, turbocharger, and exhaust system
 - Dissipate any condensation build-up on generator copper windings
 - This test exercises your generator. Standard exercising, starting the unit % running the motor with no load transfer, only exercises the engine. Loading Banking is the only true way to exercise the entire generator.
- *Recommended every 12 months for standby applications, and every 36 months for load management applications (consists of a two-hour test, unless stated otherwise)*

Our preventative maintenance agreement covers specified maintenance at a fixed cost, and is individually designed to fit the specific needs of your operation, equipment, and applications. Our predictive condition monitoring allows you to schedule downtime and save money with before –failure repair recommendations. Expert service by our highly trained and experienced technicians keeps your system running at top performance levels.

Recommended Preventative Maintenance Schedule

Weekly maintenance:

- Fluid checks – oil, coolant and fuel levels
- System checks – fuel day tank, block heater, battery charger and engine controls
- Running checks – generator voltage output, fluid temperature/pressure checks, charging system, leaks and noises
- Generator end – debris, dust and moisture inspection

Yearly maintenance:

- Includes weekly maintenance checks (listed above)
- Safeties – verify engine safety shutdowns are operational
- Breather – clean and inspect
- Valve lash – adjust as needed
- Generator end – lubricate bearings
- Engine mounts – inspect
- ATS (Automatic Transfer Switch) – inspect and perform load transfer S.O.S. Services – oil, coolant and fuel predictive sample analysis
- Load test – perform two hour test of generator output

36 month maintenance:

- Cooling system – replace regulators and change coolant
- Replace hoses and belts
- Replace batteries
- Replace cleaners



your complete 24/7 on-site power services resource.

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