ChecklistGuro

Emergency Generator Load Testing Checklist

Pre-Test Preparation

Tasks to complete before commencing the load test, ensuring a safe and efficient process.

Scheduled Test Date

Enter date...

Scheduled Test Time

Generator Model

- [ ] Model A
- [ ] Model B
- [ ] Model C
- [ ] Other (Specify)

Generator Serial Number

Write something...

Generator Rated Power (kW)

Enter a number...

Notify Relevant Personnel?

- [ ] Facility Manager
- [ ] Maintenance Team
- [ ] Security Personnel
- [ ] Other (Specify)

Any Pre-Existing Generator Issues?

Write something...

Load Bank Test Plan (if applicable)

Upload File

Generator Start-Up & Initial Checks

Verification of generator starting procedure and initial operating conditions.

Test Date

Enter date...

Start Time

Ambient Temperature (°C)

Enter a number...

Generator Voltage (Volts)

Enter a number...

Generator Frequency (Hz)

Enter a number...

Generator Start Procedure Followed?

- [ ] Yes
- [ ] No

Observations during Start-Up (e.g., unusual noises, vibrations)

Write something...

Generator Oil Level

- [ ] Acceptable
- [ ] Low
- [ ] High

Coolant Level

- [ ] Acceptable
- [ ] Low
- [ ] High

Load Bank Application & Monitoring

Procedure for applying load and monitoring critical parameters during the test.

Initial Generator Load (kW)

Enter a number...

Load Bank Increments (kW)

Enter a number...

Load Bank Step Duration (minutes)

Enter a number...

Load Bank Connection Type

- [ ] Direct Connection
- [ ] Through ATS
- [ ] Other (Specify)

Voltage (Volts)

Enter a number...

Frequency (Hz)

Enter a number...

Temperature (Generator Head - °C)

Enter a number...

Fuel Consumption Rate (Gallons/Hour)

Enter a number...

Observations during Load Application

Write something...

Performance Evaluation & Data Recording

Assessment of generator performance against established benchmarks and documenting results.

Generator Load (kW)

Enter a number...

Voltage (V)

Enter a number...

Frequency (Hz)

Enter a number...

Fuel Consumption (Gallons/Hour)

Enter a number...

Exhaust Gas Temperature (°F)

Enter a number...

Oil Pressure (PSI)

Enter a number...

Generator Performance - Visual Assessment

- [ ] Excellent
- [ ] Good
- [ ] Fair
- [ ] Poor

Notes on Generator Performance & Observations

Write something...

Data Logging Graph (Voltage, Frequency vs. Time)

Upload File

Cool-Down & Generator Shutdown

Proper procedures for reducing load and safely shutting down the generator.

Load Reduction Rate (kW/min)

Enter a number...

Time to begin load reduction

Generator Running Time During Cool-Down (Minutes)

Enter a number...

Cool-Down Procedure Followed?

- [ ] Standard Procedure
- [ ] Modified Procedure - Document Reason

If Modified Procedure Used, Explain Deviation:

Write something...

Time of Generator Shutdown

Shutdown Sequence Normal?

- [ ] Yes
- [ ] No

If Shutdown Sequence Abnormal, Describe:

Write something...

Technician Signature (Cool-Down & Shutdown)

Post-Test Inspection & Reporting

Inspection of the generator and associated equipment, followed by comprehensive report generation.

Summary of Test Results

Write something...

Overall Generator Performance Rating (1-5, 5 being Excellent)

Enter a number...

Abnormalities Observed (Select all that apply)

- [ ] Excessive Vibration
- [ ] Unusual Noises
- [ ] High Exhaust Temperatures
- [ ] Voltage Fluctuations
- [ ] Frequency Instability
- [ ] None Observed

Detailed Description of Any Abnormalities

Write something...

Attach Generator Performance Graphs

Upload File

Date of Next Scheduled Load Test

Enter date...

Technician Signature

Technician Name

Write something...