

Step-by-Step: Your Generator Set Maintenance Checklist

A reliable generator is only as good as the care you put into it. Whether you're overseeing a single genset or managing a fleet across multiple sites, sticking to a consistent generator set maintenance routine is the key to long-term, hassle-free performance.

Here's a field-tested checklist to help keep your industrial and commercial generators in top shape.

Daily Checks

- Inspect for Leaks or Damage:** Walk around the unit and look for fuel, oil, or coolant leaks.
- Check Fluid Levels:** Engine oil, coolant, and fuel levels should be in the safe zone.
- Monitor Gauges and Indicators:** Scan the control panel for warning lights or abnormal readings.
- Battery Inspection:** Make sure terminals are clean, connections are tight, and the battery has a strong charge.

Weekly Tasks

- Test the Generator Under Load:** Run the generator with typical site loads to verify reliable output.
- Check Air Filters:** Inspect and clean or replace if necessary—dust and debris are the enemy of efficiency.
- Inspect Belts and Hoses:** Look for wear, cracks, or loose fittings.

Monthly Maintenance

- Change Oil and Filters (if applicable):** Follow manufacturer's intervals, especially in demanding environments.
- Inspect Fuel System:** Drain water separators, check for contamination, and clean filters.
- Review Safety Equipment:** Test emergency shutoff switches and alarms.

Quarterly/Annual Maintenance

- Professional Inspection:** Bring in a qualified technician for a thorough inspection and diagnostic tests.
- Load Bank Testing:** Simulate real-world demand to ensure the generator performs under stress.
- Cooling System Service:** Flush and replace coolant, clean radiators and fan blades.
- Comprehensive Electrical Check:** Inspect wiring, terminals, and circuit breakers for signs of wear or overheating.