

BLACKWELL GENERATORS

Professional Diesel Generator Maintenance Checklist

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DAILY MAINTENANCE TASKS

- Inspect engine oil level; top up as needed.
- Check coolant level and inspect for leaks.
- Ensure sufficient fuel level and refuel if necessary.
- Visually inspect for oil, fuel, or coolant leaks around the generator.
- Check for unusual noises or vibrations during operation.
- Review the control panel for alerts, alarms, or irregularities.
- Ensure the generator is clean and free from dust and debris.

WEEKLY MAINTENANCE TASKS

- Check and clean the air filter; replace if heavily soiled.
- Inspect battery terminals for corrosion and ensure secure connections.
- Verify battery charge voltage and electrolyte levels (if applicable).
- Run the generator under normal load to ensure proper function.
- Inspect exhaust system for signs of blockage or damage.
- Ensure the alternator and fan belts are in good condition and tensioned.

MONTHLY MAINTENANCE TASKS

- Conduct a full-function test under load conditions.
- Verify automatic transfer switch operation.
- Check alternator output voltage against specifications.
- Inspect fuel system, including hoses and filters, for signs of wear.
- Clean exterior and ensure ventilation louvers are unobstructed.

QUARTERLY / SEMI-ANNUAL MAINTENANCE TASKS

- Replace engine oil and oil filters per manufacturer's schedule.
- Replace primary and secondary fuel filters.

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- Drain and flush coolant system if due; refill with fresh coolant.
- Test control system, alarms, and emergency stop functions.
- Inspect and test all electrical connections and circuit breakers.

ANNUAL MAINTENANCE TASKS

- Perform comprehensive load bank test for performance benchmarking.
- Inspect and test AVR (Automatic Voltage Regulator) functionality.
- Replace air filters and crankcase breather elements.
- Perform full inspection of the engine block, alternator, and housing.
- Review maintenance logs and update service records.
- Consult OEM manual to verify service intervals and required updates.

Disclaimer: This checklist serves as a general guideline for diesel generator maintenance. Always refer to your generator's specific manufacturer manual for model-specific intervals, safety precautions, and procedures.