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CSA 282 Maintenance Requirements Summary

Semi-Annual Inspection

Engine:

- Check oil and coolant levels.
- Check fuel system for contamination and proper operation.
- Check fuel tank condition, fuel level, and transfer pump operation.
- Inspect drive belts, air filter, governor linkage, turbo, and coolant heater.

Charging System:

- Inspect and test batteries and battery connections.
- Inspect and test starter and alternator.
- Inspect and test battery charger and wiring connections.

Generator:

- Inspect control panel, check settings, test protection and alarms.
- Inspect intake and exhaust systems.
- Inspect transfer switch.

Note: The engine is started and tested. The power generation components are tested, and when possible, a transfer test is completed to ensure the proper operation of the emergency power supply.

Note: Weekly and monthly inspections are also required under CSA 282 standards. Frontier Power Products also recommends that these inspections be carried out to ensure the proper operation of your emergency stand-by generator between scheduled service intervals. In non-critical cases, a demonstration can be arranged with one of our technicians to instruct someone on site in the proper operation of the unit, so that they may complete the weekly and monthly inspections. In critical cases, Frontier offers weekly and monthly inspections at a reasonable price.

Annual Inspection

All of the inspections and tests included in the Semi-Annual inspection are completed in the Annual Inspection. The following additional procedures are also performed:

Engine:

- Oil and filter change.
- Fuel filter replacement.
- Lubricate mechanical controls.
- Fuel system is inspected, and fuel conditioner added.
- Air filter replaced, if needed.

Generator:

- All electrical connections inspected. Infrared survey done to identify any high resistance connections.
- Breakers and voltage regulator are tested for proper operation.
- Rotor, stator, and windings are inspected

Note: A two hour full load test is required to meet CSA standards. Deficiencies are corrected at the time of the inspection if possible.



JOHN DEERE



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ENGINE**