

POWER GENERATOR - ANNUAL INSPECTION CHECKLIST

ENGINE

General

- Change/clean crankcase breather
- Inspect air cleaner (replace as necessary)
- Drain condensate trap
- Inspect air intake system
- Inspect exhaust system
- Inspect engine starting system
- Inspect spark plugs/wires/distributor
- Clean battery terminals as needed
- Check electrolyte level (refill as needed)
- Check batt. charger for proper charging rate
- Change batteries (every three years)

Lubricating System

- Change oil and filter
- Inspect lube oil heater
- Change hydraulic governor oil
- Check for oil leaks

Coolant System

- Record antifreeze protection level
- Record DCA level
- Check coolant level (refill as needed)
- Inspect clamps and hoses
- Verify operation of engine block heater
- Inspect belt condition and tension
- Check for exterior leaks
- Verify operation of remote radiator motor
- Grease all lubrication points
- Change DCA coolant filter
- Drain and flush system - refill per manufacturers recommendation (or max every 3 years)

Fuel System

- Inspect fuel lines and hoses
- Inspect day tank and float assembly
- Check fuel transfer pump
- Check governor and linkage
- Check level of fuel in supply tanks

- Drain water from filter/tanks
- Change fuel filter(s)
- Adjust injectors and valves as necessary

Run engine and:

- Record oil pressure
- Record oil temp
- Record voltage
- Record water temperature
- Record amperes
- Record hours
- Test safety shutdown circuits/alarms
- Check rain cap operation
- Check for vibration or noise
- Inspect operation of intake louvers

GENERATOR

General

- Inspect/lubricate end bell bearing
- Inspect brushes, brush holders, and
- Inspect cooling screen and alternator
- Verify connections and insulation condition
- Verify operation of shunt trip
- Operate circuit breaker manually
- Clean vent screens
- Tighten all panels, electrical connections
- Check sub-base isolators and tighten lock-nuts

Load Bank Testing

- Perform resistive load bank test with no interruption of normal power supply (record results in comments section below)

With engine running and load on generator:

- Record voltage
- Record amperes
- Record RPM's
- Calibrate control meters as needed
- Verify operation of lamps on panel

Comments: _____

Performed By: _____ Date: _____
 Title/Company: _____