

Generator Planned Equipment Maintenance



INSPECTION

INTERVALS AVAILABLE: WEEKLY, MONTHLY, QUARTERLY, SEMI-ANNUALLY OR ANNUALLY

BATTERIES AND BATTERY CHARGER

- Visually inspect battery terminal connections
- Verify electrolyte level, vent caps of all cells in the starting battery system
- Visually inspect wiring, connections and insulation
- Record battery charging functions
- Record battery information
- Record battery condition test

FUEL SYSTEM

- Visually inspect ignition system (Natural Gas and Propane Only)
- Record primary tank fuel level
- Inspect engine fuel system for leaks
- Visually inspect all engine fuel hoses, clamps, pipes, components and fittings
- Visually inspect rupture/ containment basin
- Inspect day tank and controls (if applicable)
- Optional - fuel sample for laboratory analysis*

COOLING SYSTEM

- Record coolant level
- Visually inspect for coolant leaks
- Visually inspect drive belts condition
- Verify for proper coolant heater operation
- Record jacket water temperature
- Visually inspect fan, water pump, drives and pulleys
- Visually inspect all coolant hoses, clamps and connections
- Visually inspect radiator condition
- Visually inspect louver for damage
- Visually inspect fan hub and drive pulley for mechanical damage
- Record freeze point of antifreeze protection
- Record DCA level prior to changing coolant filter
- Optional - Coolant sample for laboratory analysis*

LUBRICATION SYSTEM

- Visually inspect engine oil leaks
- Visually inspect engine oil lines and connections
- Record oil level
- Optional - Oil sample for laboratory analysis*

GENSET CONTROLS AND ACCESSORIES

- Visually inspect all engine mounted wiring, senders and devices
- Visually inspect all control mounted components and wiring
- Verify all connecting plugs are tightened and in a good condition
- Visually inspect all accessory components and wiring
- Visually inspect and test lighting indicators

INTAKE AND EXHAUST SYSTEMS

- Visually inspect air filter and housing
- Visually inspect all engine piping and connections
- Record air cleaner restriction
- Visually inspect engine exhaust system for leaks
- Visually inspect rain cap
- Optional – Air filter replacement*
- Optional - Clean crankcase breather or replace filters*

GENERAL CONDITIONS

- Visually inspect governor linkage and oil level
- Visually inspect guards
- Visually inspect enclosure
- Visually inspect engine and generator mounts
- Verify emergency stop operation

TRANSFER SWITCH

- Visually inspect controls and time delay settings
- Verify function of exercise clock and record settings from controller
- Verify remote start control operation
- Record utility / source one voltage

AFTERTREATMENT (Upon request)

- Verify DEF level
- Record DPF restriction
- Visually inspect aftertreatment and controls

SWITCHGEAR (Upon Request)

- Inspection and Full Service quote available upon request.

FULL SERVICE

INCLUDES INSPECTION

OPERATIONAL & FUNCTIONAL REVIEW OF GENERATOR CRITICAL COMPONENTS

- Inspect engine cooling fan & fan drives for excessive wear or shaft wobble
- Check all pulleys, belt tensioners, slack adjusters & idler pulleys for travel, wear & overall condition
- Inspect / lubricate drive bearings, gear or belt drives, and other shaft connecting hardware

LUBRICATION OIL & FILTRATION SERVICE

- Change engine oil
- Change oil, fuel and water filters
- Post lube services operations of genset (unloaded) at rated temperature

* Additional Charge

Any additional repairs, parts, or service which are required will be brought to the attention of the owner. Repairs will only be made after proper authorization from the owner is given to Cummins. Any additional repairs, maintenance or service performed by Cummins or a Planned Equipment Maintenance Agreement holder will be at current Cummins labor rates.

Arc flash boundary and available incident energy shall be identified and marked on equipment being serviced or maintained.