

259 LEE INDUSTRIAL BLVD.
AUSTELL, GA 30168
TEL: 770.941.2424

DESCRIPTION OF SERVICE LEVELS

LEVEL 2

BEFORE START-UP VISUAL CHECK:

- Anti-freeze and Coolant Level
- Radiator (leaks, damage, blockage)
- Fan Assembly (cracks, bent blades, grease bearings)
- V Belts (proper tension, condition)
- Water Hoses (condition, leaks)
- Fuel System Day Tank (operation, lines, leaks)
- Fuel Injection System (leaks, condition)
- Fuel Priming Pump (operation, leaks, condition)
- Air Cleaner Assembly (leaks, cracks, gaskets)
- Manifold and Piping (leaks, condition)
- Exhaust Manifold and Piping (leaks, condition)
- Electrical DC Wiring (engine, condition, connections)
- Service Batteries and Cables (water level, condition, connections)
- Battery Charger (condition, operation, AC/DC)

AT OPERATING TEMPERATURE:

- Re-Check Lubrication System (leaks)
- Re-Check Cooling System (leaks)
- Re-Check Air Induction System (leaks, condition)
- Re-Check Exhaust System (leaks)
- Re-Check Fuel System (leaks)
- Re-Check Governor (stability, response)
- Re-Check Voltage and Frequency
- Perform Minor Adjustments as Necessary

PREVENTATIVE MAINTENANCE ADD ONS

- Check Generator Alignment
- Grease Generator Bearings (as required)
- Change Oil Filters
- Change Oil* (Engine Lubricating)
- Change Fuel Filters
- Take Oil Sample and Send Evaluation Report

*All fluids and fluid filters necessary to accomplish Level 2 and 3 are included in the quoted price.

DURING OPERATION CHECK:

- Battery Voltage Drop While Cranking (condition)
- Engine Smoke (critical system indicator)
- Safety Shutdowns & Pre-Alarms (condition, operation)
- Fuel Transfer Pump (PSI, condition, leaks)
- Oil Pump (PSI)
- Lubrication System (leaks)
- Entire Cooling System (leaks)
- Temperature Regulators (operation)
- Gauges and Indicators (operation, condition)
- Governor (operation, stability, response, frequency)
- Turbo Charger (operation)
- Aftercooler (leaks)
- Control Panel (condition, operation)
- Electrical Power Generator (operation, voltage)
- Engine Room Ventilation
- Service (Hour) Meter (condition, operation)
- Transfer Power to GenSet (operation-if permissible by Owner)
- Perform Minor Adjustments As Necessary

LEVEL 3

MAINTENANCE ADDITIONS

- Drain and Refill Cooling System With Caterpillar Type Anti-freeze and Conditioners

OPTIONAL WORK

Resistive Load Test (Load Bank Test)

- Caterpillar Recommends a Yearly Full Load
- Quote provides for 100 ft of Cable at Ground Level Access

Generator Cooling System

- Drain Coolant
- Fill the Cooling System with Caterpillar Cooling System Cleaner/Flush Mixture.
- Start and Operate the Engine for 1 ½ Hours Under 100% Load
- Stop Engine and Drain Cleaning Solution
- Refill Engine With Clean Tap Water and Run Engine for ½ Hour Under 100% Load Repeat Previous Two Steps As Necessary Until Engine Is Clean
- Refill Engine Cooling System With Caterpillar Type Anti-freeze and Conditioners Start and Operate Engine with 100% Load for ½ Hour
- Stop Engine and Top Off Coolant Level If Necessary