

## Preventive Maintenance Programs / Air Cooled Units

Our Primary and Secondary Preventive Maintenance Program includes:

### Engine

#### Lubrication System:

- Annual oil and filter change – *Primary only*
- Inspection for evidence of dilution/contamination
- Inspection for leaks
- Operating temperature
- Oil pressure check (*where possible*)

#### Fuel System:

- Fuel supply check (*quantity, quality*)
- Inspection of all gas lines
- Governor inspection and lubrication
- Supply manifold inspection

#### Air/Cooling System:

- Exhaust pipe and flex inspection
- Clamp and bracket inspection
- Inspection of muffler

#### Electrical System:

- Starter cable, and connector inspection
- Starting battery float voltage and electrolyte level check
- Battery charger check for proper operation and output
- Starting battery voltage load test
- Starting battery age/condition diagnosis
- Electrical control and sensor wire inspection
- Ignition system inspection
- Spark plug replacement – *Primary only*

### Generator

#### Mechanical:

- Mounting bolt inspection and torque check
- Bearing inspection and lubrication (*where possible*)
- Mechanical connection inspection

#### Electrical:

- No load and full load volt check (*during load test*)
- No load and full load frequency check – adjustment if necessary
- Electrical connection check – torque check/corrosion

#### Controls:

- Control panel wiring inspection
- Automatic and manual control operation check
- Generator and engine instrumentation check (*when necessary*)
- Relay and contactor inspection
- Fault indicator check and alarm operational check

#### Transfer Switch:

- Inspection for cleanliness and integrity
- Inspection for signs of overheating and wear
- Complete wiring inspection
- Lubrication of moving parts (*when necessary*)
- Transfer test to verify system operation

A written report detailing any recommendations will be left on site upon completion of the service.

**PM Technologies** offers a full line of Emergency Power System products and services.

**Contact us today at 800-419-5199 or visit us at [PMTech.org](http://PMTech.org) for more information.**