Shutoff Algorithm for Portable Gasoline Powered Generators

**Oxygen Depletion Shutoff Algorithm**

- Incomplete oxidation during combustion can result in unsafe levels of carbon monoxide (CO) in a confined space
- Algorithm utilizes information from engine control system to determine oxygen levels
- If oxygen levels fall below a preset lower limit, the generator is shutoff without any user involvement

**Advantages**

- Eliminates need for CO sensor which can malfunction or provide false readings
- Uses information from oxygen sensor in engine control system, thereby implementation into generators is straightforward
- Shutoff algorithm is more reliable than traditional CO sensors

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