



PH. (843) 918-1192

FAX (843) 918-1204

**City of Myrtle Beach**  
**SOUTH CAROLINA**  
**FIRE DEPARTMENT**

MBFD MEMO -

**RECOMMENDED PREVENTATIVE MAINTENANCE SERVICES FOR  
STANDBY POWER GENERATOR SYSTEMS**

**QUARTERLY MAINTENANCE  
4 TIMES A YEAR – FEBRUARY, MAY, AUG, NOV**

The following preventative maintenance services, full function control tests, inspections and tasks shall be performed by factory certified technicians:

- check coolant level
- check fuel level and fuel condition
- check anti-freeze mixture, add fluid and adjust mixture if needed
- check cooling system hoses
- check engine heater operation
- check engine alternator charge rate
- check and adjust all belt tensions
- check engine and generator gauge and meter operation
- check gen set for fuel, oil and coolant leaks
- check air intakes and outlets, lubricate louvers
- check emergency stop operation
- check tank operation and fuel transfer
- check engine blow-by
- check silencer
- check output voltage and adjust if necessary
- check battery charger operation and charge rate
- check battery connections for corrosion
- check battery cell voltage, specific gravity and inspect for battery electrolyte leak
- inspect transfer switch, accessories and controls
- check gen set controller functions and shutdown
- check gen set frequency, adjust governor and lubricate linkage



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**ANNUAL MAINTENANCE  
PERFORMED DURING THE MAY QTR. SERVICE**

The following preventative maintenance services, full function control tests, inspections and tasks listed in the quarterly service above in addition to the following shall be performed by factory certified technicians:

- Replace oil and oil filters
- Replace Fuel Filter
- Test and condition diesel fuel to eliminate water and sludging
- Replace Air Filter
- Tune up engine if needed
- Replace coolant fluid every 2 years during annual maintenance service
- Perform full load transfer operational test. If the gen set is installed as NFPA Level I system, then all required NFPA testing shall be followed as specified by NFPA and NEC for critical care and life support systems.