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
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.