

Generator Scope of Work and Preventive Maintenance

A level 1 preventive maintenance inspection, a level 2 preventive maintenance inspection, and a load bank testing will be conducted on nine (9) generators on the compound, located at 7919 Independence Blvd. Baton Rouge, LA 70806. A level 1 preventive maintenance inspection will be scheduled for November and a level 2 preventive maintenance inspection will be scheduled in May or June. A load bank test will be performed in June on all generators prior to June 30th.

Scope of work to be conducted annually:

- ☐ Change engine oil and oil filters
- ☐ Change coolant and coolant filters
- ☐ Change fuel filters
- ☐ Drain water separator(s) and change filter
- ☐ Load bank testing- (To be performed in June, each year, on all generators prior to June 30th)

Load bank testing to be conducted in the following process: 30% of load 30 minutes, 50% of load 30 minutes, 80% of load 1 hour.

Generator Preventive Maintenance Inspections will include the following:

Engine Lubrication System: (Check only)

- ☐ Oil level- (record Value)
- ☐ Oil leaks
- ☐ Oil lines & connectors
- ☐ Oil sample

Engine Cooling System: (Check only)

- ☐ Coolant level- (record value)
- ☐ Coolant leaks
- ☐ Radiator core for fouling and overall condition
- ☐ Radiator cap
- ☐ Coolant concentration- (record value)
- ☐ Coolant freeze point-(record value)
- ☐ Coolant hoses and connections
- ☐ Drive belt condition and tension

- ☐ Grease fan belt drive bearings
- ☐ Water pump
- ☐ Block heater(s)

Engine Air Intake System: (Check only)

- ☐ Air system leaks
- ☐ Air cleaner restriction
- ☐ Air cleaner element & housing
- ☐ Crankcase breather element

Engine Exhaust Systems: (Check only)

- ☐ Exhaust leaks
- ☐ Exhaust rain cap
- ☐ Exhaust manifold

Engine Fuel System: (Check only)

- ☐ Fuel leaks
- ☐ Governor control linkage
- ☐ Fuel lines & connections
- ☐ Diesel main tank and cap
- ☐ Diesel fuel level- (record value)
- ☐ Daytank
- ☐ Fuel transfer pump
- ☐ Engine priming pump

Engine Electrical System: (Check only)

- ☐ Battery(s) & charging system(s)
- ☐ Battery electrolyte level
- ☐ Battery connections and terminals
- ☐ Battery in-service date
- ☐ Engine starter cranking voltage

Engine Related Systems: (Check only)

- ☐ Engine vibration mounting
- ☐ Generator mounting
- ☐ Enclosure housing
- ☐ Enclosure lighting

Main Generator and Distribution: (Check only)

- ☐ Air inlet and outlet
- ☐ Transfer switch indicator lamps
- ☐ Overall switchgear exterior condition
- ☐ Room temperature
- ☐ Safety and warning labels

Engine and Generator Running Checks: (Check only)

- ☐ Engine oil pressure- (record value)
- ☐ Engine blow by
- ☐ Engine noise (abnormal)
- ☐ Engine operating temperature- (record value)
- ☐ Engine RPM- (record value)
- ☐ Exhaust smoke
- ☐ Starter motor operation
- ☐ Enclosure louver operation
- ☐ Generator voltage- (record value)
- ☐ Generator Hz- (record value)

Departure Inspection: (Verify only)

- ☐ Block heater(s) energized
- ☐ Battery charger(s) energized
- ☐ Confirm generator output circuit breaker closed
- ☐ Confirm generator controls are in auto
- ☐ Enclosure locked
- ☐ Contact sticker attached to the generator/ATS/SWG
- ☐ Customer notified of status