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Preventative Maintenance and Service Program

Industrial Batteries and Chargers

1.0 Introduction:

This program is designed to improve the service life and performance of the industrial truck batteries and chargers. The preventive maintenance and service program, when implemented shall reduce the equipment downtime and help your personnel to take maximum usage from their equipment.

2.0 Statement of Work

Basic Energy Technician shall perform the following items on a scheduled preventive maintenance visit.

Check electrolyte level in all cells. If necessary, add enough water to allow hydrometer reading.

Remove and Neutralize spilled electrolyte and corrosion from battery top.

Repair damaged inter-cell connectors and battery terminals (does not include cable or inter-cell connector replacement.)

Repair charging half connector contacts and cable connections (does not include charging half connector replacement.)

Remove battery from truck and clean battery compartment when required.

3.0 Industrial Battery Evaluation

Basic Energy Technician shall examine the following items on a scheduled preventive maintenance visit.

Examine cell voltage and specific gravity (may indicate potential problem within battery.)

Inspect for leaks by pressure testing each cell (indication of damaged cover, jar or seal.)

Check battery charging half connector and contacts for excessive wear and tear.

Inspect battery cable for heat and insulation damage.

Check condition of inter-cell connectors for sign of overheating.

Check overall battery surface condition for severe grounding or corrosion.

4.0 Industrial Battery Charger Evaluation

Examine charger DC cable for heat and insulation damage.

Examine charger AC cord for cracks, splits and exposed wire damage insulation.

Check charger controls (Manual Timer or Microprocessor Control System).

Inspect charger connector and contacts.

Inspect charger enclosure for safety-hazard or physical damage.

5.0 Preventive Maintenance Evaluation Report

A formal Evaluation report shall be written and presented to the maintenance department or any designated authority if problem is noted while performing battery and charger evaluation as outlined in paragraph 3.0 and 4.0.

Frequency of Preventive Maintenance Visit

Each battery and charger shall be serviced and examined once a month. However, depending on the condition and the number of batteries and chargers covered under this program, the preventive maintenance visits may be scheduled for more than once a month.