

## **BATTERY MAINTENANCE/CARE CHECKLIST**

### **General Performance / Longevity:**

- Do not discharge a battery beyond 80% of rated capacity. (1.140 -1.160 SPG)
- Do not use batteries with specific gravity below 1120
- Only charge batteries on properly matched chargers (voltage, A.H. and type. Max overall AH variance of 10%)
- Always allow your battery to cool down after charging (Ideal usage: 80% discharge, 6-8 hours charge time, 4 hours cool down time).
- Contact your Battery Service Representative (BSR) for an inspection if batteries on-charge exceed 115 deg. F.
- Report any problems (even minor) to your BSR.

### **Watering:**

- Add water only as needed to maintain a proper electrolyte level.
- (Approx. 0.25" below bottom of vent opening, but above the element protector.)
- Always water after charging (this step will also help prevent spill overs).
- Only distilled, or other approved water sources (e.g. deionized) should be used.

### **Safety:**

- Always wear personal safety items when inspecting, servicing or working near batteries.
- Major electrolyte spill-overs should be reported to your battery service company as they and they can affect battery performance and may possibly contain sulfuric acid, lead compounds.
- Never add acid to a battery, only approved add water. (Acid adjustment svc. is available).
- Always keep vent caps tightly in place (removal okay while watering).
- Open battery and truck covers during charge and ensure adequate ventilation exists in all areas where batteries are being charged.
- Batteries will produce a flammable/explosive gasses. Never smoke, allow sparks, or allow an open flame near a battery.
- Always ensure no metal objects come into contact with the inter-cell connectors, or cable ends of a battery.
- Always keep batteries clean, dry, free from foreign objects.

When in doubt about a specific topic, or situation never hesitate to contact your Battery Service Representative.

**Midway Industrial provides free battery care information and other technical support for customers at 630-466-7700.**