



# HAWKER®

## Headlines

### Fall 2020 edition

### Quick Tips!



So, I heard that **Hawker®** offers other sizes of batteries besides the ARMASAFE™ Plus 6TAGM.

Where can I get **technical info** or **NSNs** for those?

It's easy, just go here...

[www.hawkerbattery.com/hawker-mil-pc](http://www.hawkerbattery.com/hawker-mil-pc)



### Answer to question from last issue:

**Can batteries self-discharge when they're not in use...even when they're disconnected?**

**Yes**, all lead-acid **batteries self-discharge**. It's a naturally occurring phenomenon in batteries in which chemical reactions within the battery reduce its charge. You see, batteries are **electrochemistry**.

Most **flooded-cell** (a.k.a., wet) batteries self-discharge about 3% of their capacity per month at 77° F, while **Hawker® AGM batteries lose just a fraction** of that at about 1%! Furthermore, **the hotter the battery...the faster the self-discharge rate**. In fact, **anytime the temperature of a battery is increased by 15° F, the self-discharge rate doubles!** So, at 92° F, a flooded-cell is losing about 6%, whereas a Hawker® AGM about 2%. Go up another 15° F to 107° F, and a flooded-cell is losing about 12%, and a Hawker® AGM about 4%.

Now, think of those **sweltering-hot Conex boxes** used overseas during combat to store batteries. If the temperature in there was 122° F, those flooded-cells were losing a whopping 24% capacity per month, whereas Hawker® AGM batteries were losing 8%.

Therefore, if you have batteries in storage, you can **drastically improve shelf-life and slow the death spiral** by keeping those batteries in a **climate-controlled environment**. Better yet, **keep them connected to a float-charger!**



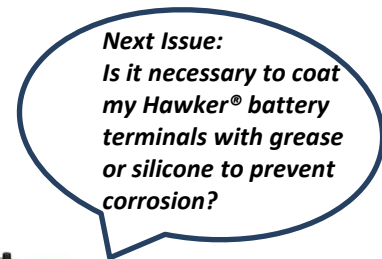
### Did you know:



that the term "**load**" refers to the amount of **current** being drawn from the battery, measured in **amps** (e.g., a 25-amp load). While **engine start** is typically the **greatest single load** placed a battery...headlights, instrumentation, comms, BFTs, CROWS, etc., all place **additional loads** on the battery...especially when the engine is off (as the alternator is no longer providing power).

### Training:

How often are you replacing bumpers, seats, or doors on your tactical vehicles? Like **NEVER**? Why, cuz they aren't really consumables. Now, how often are you **replacing batteries**? Probably, **TOO OFTEN!** Wanna fix that? Yeah, but how? Contact your Hawker® FSR today for **free Battery Maintenance and Recovery Training (BMRT)** in your own motor-pool!



**Next Issue:**  
**Is it necessary to coat my Hawker® battery terminals with grease or silicone to prevent corrosion?**

### Questions?

Visit our website at: [www.hawkerbattery.com](http://www.hawkerbattery.com)  
Call us at 877-485-1472



NSN: 6140-01-485-1472  
Part No: 9750N7025  
CAGE Code: 0WY95

This newsletter brought to you by the EnerSys® Hawker® Battery Field Support Team and is NOT an official publication of the US Government.