



Quick Tips!



Want to know how to **properly store** Hawker® batteries?
Find out...**Watch the training video** at
www.hawkeraplus.com
under the **Hawker® Helpdesk** tab.



Answer to question from last issue:

When should I replace my Hawker® battery? A Hawker® battery is considered to be at the end of its “expected operational life” when...at least **one** of the following is true:

- 1. Open Circuit Voltage (OCV) Test:** when a fully-charged battery measures **less than 12.65 volts**.
- 2. Conductance Analyzer Test:** when a fully-charged battery fails to provide at least 80% of the battery's rated CCAs (e.g., if a **Hawker® ARMASAFE™ Plus 6TAGM battery measures less than 980 CCAs**).
- 3. Mechanic's Load Test:** when a fully-charged battery **fails to remain above 9.9 volts Closed Circuit Voltage (CCV; a.k.a., load voltage)** during the load test. The specified load should be equal to 1/2 of the battery's rated CCAs and be applied for 15 seconds (e.g., for a Hawker® ARMASAFE™ Plus 6TAGM battery, apply a 612.5 amp load for 15 seconds, during which the battery's load voltage must remain at 10.0 volts CCV or higher. **Note:** Per **TB 9-6140-252-13**, military personnel need only apply a 550-amp load on the Hawker® ARMASAFE™ Plus 6TAGM battery, since MIL-PRF-32143C only requires a new 6TAGM battery to be at least 1100 CCA).
- 4. Capacity Test:** when a fully-charged battery fails to provide at least 80% of the battery's rated Capacity when discharged at a specified C-rate (e.g., for a **Hawker® ARMASAFE™ Plus 6TAGM battery**, when discharged at the C20 rate, if the battery measures **less than 96 Ah**). **Note:** This test is normally only conducted by design engineers.

Did you know:



Typical vehicle batteries are called 12-volt batteries, but that's just a generic term. Actually, different types of lead-acid batteries have different **“top-off”** voltages. In fact, new 12-volt flooded-cell batteries typically measure 12.6 volts Open Circuit Voltage (OCV) and AGM batteries typically measure 12.9 volts (OCV) when the batteries are fully charged.

Training: *The rumor on the street is....*



“Military units can schedule **free on-site Battery Maintenance and Recovery Training** at their motor-pool.” *Uhm, is that TRUE?*
It sure is! Just contact your Hawker® FSR today... and we'll make BMRT happen for you.

Next Issue:
My Hawker® battery passed testing, so can it be mixed with other Hawker® batteries that are the same model?

Questions? Visit our website at: www.hawkeraplus.com
Call us at 877-485-1472



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