



HAWKER®

Headlines

Spring 2011 edition

Quick Tips!

Insufficient run time degrades battery life. Think of batteries in banking terms, your battery is like your checking account. Every time you start a vehicle, energy stored in your Hawker® Armasafe™ Plus battery is used to power the vehicle's starter...that's like making a withdrawal. In order to insure your vehicle starts each and every time...and to keep the battery in optimal condition...that energy must be replaced....or in the case of your checking account, you must redeposit money before you can withdraw more. That's the main reason why your vehicle has an alternator or generator (or in the case of your checking account, Direct Deposit)...to put energy back into the battery! However, replenishing that energy is not instantaneous...it takes a little bit of time (just like you working for your paycheck), that's why it's recommended that every time you start a vehicle, you should let it run for at least 20 minutes...so the alternator or generator can do it's job. Following this Quick Tip could save you from frustration....and a trip to your unit's battery room.

Do you know:

that lead-acid batteries can be charged in wide variety of ambient temperatures, but that the optimal charging temperature is between **68° F - 86° F (20° C - 30° C)**.

that the shelf life of the Hawker® battery is 30 months! That means that a fully charged battery can maintain its charge for 2 ½ years when stored at around 77° F. Note that we still recommended you check the battery's Open Circuit Voltage (OCV) at least annually. If it has fallen below 12.85 Volts, simply top it off so it's always ready for installation! Also, to protect the battery's terminals from potential damage during storage, never stack more than one battery atop another...and only if they are in the original packaging.

that the self discharge rate of the Hawker® battery is less than 1% per month when stored at 77° F or lower! But, as temperatures begin to rise, the self discharge rate for all lead-acid batteries increases...in fact, for every increase of 48° F, it doubles. So keep your stored batteries in a temperature controlled environment and they'll last you longer.

Answer to question from last issue:

Why does the Hawker® battery have more cold cranking amps (CCAs) than other 6T-sized batteries? The standard "wet cell" or "flooded" battery has 750 CCAs, other Absorbed Glass Mat (AGM) batteries claim 1100 CCAs, but the Hawker® Armasafe™ Plus battery has 1225 CCAs. As you know from the last edition of Hawker® Headlines, the Hawker® battery is heavier because it has more lead. But, don't stop the presses yet...there's more! Part of the technology in the Hawker® battery is "thin-plate pure-lead" or TPPL...and those plates are made from 99.99% pure lead...unlike other batteries that have recycled lead and other impurities in the plates.

So, more lead + TPPL = more CCAs...in the same battery space!

Training:

What's your lead-acid battery recharge success rate? A number of active, guard, and reserve units have recharge rates in excess of 75%! **Want to know why?** Because they received free diagnostic, preventive maintenance, and corrective maintenance training from a Hawker® FSR.

Want to know how? Contact us, it's that simple.

Questions?

Check out our website at: www.hawkerplus.com
or call us at 877-485-1472

Next Issue:
Why lead-acid battery plates sulfate. And, what you can do about it.



NSN: 6140-01-485-1472