

Re: Exxon–Jihadist Insurgent Plants Another IED Lie–Bomb about Hydrogen

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- *From:* Josh Hill <usereplyto@xxxxxxxx>
 - *Date:* Fri, 14 Jul 2006 14:33:03 –0400
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On Fri, 14 Jul 2006 14:31:34 –0000, pv+usenet@xxxxxxxx (PV) wrote:

joshuaphill@xxxxxxxx writes:

Skepticism is good, but I'm not sure that the same can be said for cynicism! Which is to say that while I'm sure what you say is true of

Having an open mind doesn't mean having a hole in your head.

oft–cited target of 6.5 percent. She hopes that HRL staffers can eventually identify a "Goldilocks" compound with sufficient adsorption capacity that will release hydrogen at 150 degrees C or even lower.

And here is where the researcher scribbles "and then a miracle happens" on the blackboard at the end of a page of calculations.

Sure — it's anything but a done deal. OTOH, researchers not infrequently do find that miracle once they see the validity of a new approach and start looking at alternative materials: carbon filaments, say, rather than platinum. Only time will tell if this is another dead end like onboard reformation, but I think it's encouraging that they've exceeded the weight goal and gotten most of the way to the temperature goal.

Momoda admits, however, that the hydrogen pickup rate is still too slow; current materials might take 30 minutes to refuel.'

And are big, heavy, and require heat to release. None of these are good things for a transport application. The one solid storage thing that I thought was interesting was the borax powder based one, since you could pump it in and out of a tank, and reuse the borax when depleted. But that

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doesn't seem to be going anywhere either, and needs a very large tank. *

I just did some reading on it. Seems that among other things there are serious cost issues:

http://gcep.stanford.edu/pdfs/hydrogen_workshop/Wu.pdf

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Josh

"I love it when I'm around the country club, and I hear people talking about the debilitating effects of a welfare society. At the same time, they leave their kids a lifetime and beyond of food stamps. Instead of having a welfare officer, they have a trust officer. And instead of food stamps, they have stocks and bonds."

– Warren Buffett

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