



Crowd-sourcing New Ideas In Sustainability

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Cars Fueled by Air?

by Bailey, PF Intern | 5:28 pm December 18th, 2012 | 5 Comments »

It's not magic, it's chemistry! That's what the chief executive of Air-Fuel Synthesis says about their fuel that's made, literally, out of thin air!

The company says they've developed technology that creates environmentally-friendly fuel for cars from carbon-dioxide and water.

Carbon-dioxide and water are captured, and through electrolysis, the hydrogen from the water is isolated. It then reacts with the carbon from the air to make liquid hydro-carbon fuels.

This new type of fuel not only reduces the transportation industry's carbon footprint, but it also removes excess carbon from the atmosphere.

The fuel is currently being tested on race tracks. The racing industry has actually been a leader in testing technologies not based on fossil fuels.

The creators of the hydro-carbon fuel hope to one day bring this technology to roads around the world, but because we currently lack the infrastructure to do so, it is very expensive.

What do you think? Can you see this technology taking hold in the US?

Categories: Clean Tech, Efficiency, Transportation
Tags: afs, Carbon, cars, fuel, gas, Water
Viability: 2
Share: 6

5 Responses to "Cars Fueled by Air?"

ON DECEMBER 19TH, 2012 AT 12:38 PM JOHN SAID:
The electricity has to come from somewhere as well. At the very best, this is a way to store energy from the grid to power cars. Likely the efficiency is fairly low to make the fuel. And gas engines at best 30% efficient so the efficiency of electricity to drive is probably <%20 at the very best. If that electricity comes from coal or other fossil, much better to just use Fisher-Troupe. If it comes from non-carbon fuels, then this could be carbon-neutral. Can look good for the racing industry though, which has been looking for ways to avoid gasoline. Wonder what the business plan is, as this has no potential for the consumer market.

ON DECEMBER 21ST, 2012 AT 7:23 AM KVSREDDY SAID:
IT IS AN ADVANCED TECHNOLOGICAL PARAMETER THAT A RACE CAR SHALL RUN WITH AIR WITH OUT FUEL,,IT IS AN EVIDENCE TO EXPERTS,THE APPRECIATION SHOULD BE AWARDED TO THEM. GOOD DEEDS NEVER FAILED WITH FAITH.

ON DECEMBER 24TH, 2012 AT 11:11 PM JERRYD SAID:
While this can work using otherwise wasted energy EV's are far more eff for the first 100 miles at least.
Why is at best making syn fuels are 50% eff and then a gasoline car is only 7% eff using it so overall about 3.5% eff!!!
Vs using the same electricity in an EV gets you 65% eff or so!!

So using electricity first and then having a small lightweight generator running at full power and it's most eff point at 30% eff keeping the batteries charged for unlimited range when needed is the best use of syn fuel and about 4-5x's more eff than burning in a normal gas car engine.

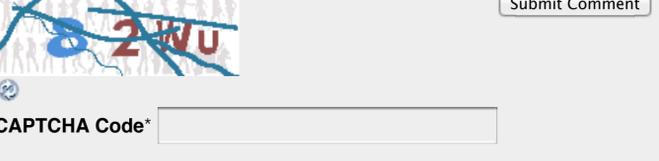
ON DECEMBER 25TH, 2012 AT 1:29 AM GUMBY SAID:
Al Capp's satirical American comic strip "Li'l Abner " once described similar car that runs on smog.

ON DECEMBER 29TH, 2012 AT 9:03 AM DUSAN KOVACEVIC SAID:
I see these up mentioned technology takes hold in USA.

hi there! care to post a comment?

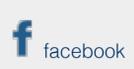
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