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Ethanol Distillation Facts

By Simon Oldmann

Due to the crazy rise of fuel price and the instability of the fuel market more and more people and trying all kind of alternative fuels, some people are just fed up with spending all their hard earned money to some countries that change the fuel price, usually with reasons that have almost nothing to do with fuel production cost. During the last 3 years there has been a constant and very sharp rise in the price of fuel, some of it was because of the "Katrina" disaster but most of it because of the fuel producing countries controlling this market.

People started understanding that in time the yearly spending on fuel is going to grow to a monster like sum and that it would be nice to cut down these prices as soon as possible, some business saw this trend getting stronger and stronger. Today there are a lot of solutions for alternative fuel use and production, most of the kits and solution found on the market are definitely working, safe and cut an incredible cost of fuel consumption.

This move to alternative fuel has got some big businesses thinking and suddenly we get a lot of advertisement for self making ethanol and ethanol distillation at home to sell to ethanol users. Since ethanol use is actually being promoted by official the production of the ethanol and ethanol distillation for the public may prove a little more complicated than the private manufacturing and selling of ethanol, you have to remember that these are still dangerous materials you are working with and that bigger production will ultimately result in bigger machines and much more of these materials use.

There is no wonder that some fear that individuals will experiment with ethanol distillation, imagine someone storing gallons of dangerous explosive materials on their property and the unprofessional way of dealing with these materials. The quality of the final product is also in question, with no formal body governing and regulating the quality this may prove a dangerous product to use, and certainly to try and manipulate. The individual trying to produce ethanol will also need to go through the American Society of Testing and Materials that will show they way to make the right kind of product safely and how to use and keep the materials involved in the proper and safe way.

The self manufacturing and production of ethanol and the process of making ethanol from an ethanol distillation is not something a reasonable person will do, it involves getting permits and going through

Ethanol Distillation Facts

many check and regulation testing that it is simply not worth the time and effort by an individual, the making of ethanol will eventually result in some find of problem that will probably leave a very bad taste in the mouth of the person who gave this a shot.

For the individual this is a true revolution in the fuel market, you can just get a kit, study the making or buying ethanol basics and you will soon be a part of this revolution, you will probably discover that it is very possible to cut the raging fuel costs and spend it on nicer things, and that in a short time you will be completely independent of gas stations and gas use. The idea of making this a home business is not a very smart move, the licenses and taxes, permits and checks of your distillation station alone leaves you with a low chance of actually making it as an individual.

In any case a person considering to go into the ethanol distillation business would do good to first try and live with ethanol in the first place, so join the alternative fuel revolution and start using ethanol today.

Simon Oldmann is an avid writer and a green activist, he has been writing about Ethanol use since the growing popularity of Ethanol these last years

<http://ethanol.zupatips.com>

Flex Fuel Vehicle And Ethanol

By Simon Oldmann

Flexible fuel vehicles are just like an average car in the sense that they use a single gas tank. But it can run on a mixture of gasoline and alcohol based fuel. Any car made after 1988 can run on a mixture of 10% ethanol and 90% gasoline. A flexible fuel vehicle can run on a mixture of up to 85% ethanol. Modifications are needed for this ratio as alcohol based fuels are corrosive.

Fuel tanks and engines must be modified in flexible fuel vehicles. In the US, there is a special indicator used that analyzes the ratio of the mix and adjusts itself accordingly to make sure that the fuel is burned clean. This is done by adjusting the timing and the fuel injection and happens automatically. Many flexible fuel vehicles are also required to use a special engine oil.

Why use ethanol?

Ethanol offers motorists an environmentally friendly alternative to using fossil based gasoline fuels, since ethanol is much more environmentally friendly and a renewable resource it seems to be an ideal alternative fuel for an environmentally friendly motorist. Studies show that using a mix of 10% ethanol reduces carbon monoxide levels by up to 17% , CO2 emissions by 4.2% and hydrogen emissions by up to 5%. By using a mixture of 85% ethanol greenhouse gas effects are reduced by up to 37%

What countries are using ethanol fuel?

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There are three countries currently using ethanol in their vehicles – US, Brazil and Sweden.

* Brazil has been using ethanol mixtures in their fuel since the 1970's and it is required by law that all fuel mixes be at a ratio of 29–25% ethanol.

* Sweden is the only country that has flexible fuel vehicles in Europe, although there are plans to introduce fuel mixes of up to 85% in other European countries.

* US has many cars designed to run on 85% ethanol fuel mixes. These flexible fuel cars make up 4 million of the cars in the US, although less than 1% of these vehicles are currently running on a mixture of 85% ethanol.

The future of ethanol based fuels

At the moment the future of ethanol fuel mixtures seems a little bleak. Until the fuel companies can make the mixtures of gasoline and ethanol fuel mixes more efficient and provide a superior mileage, people will still continue using gasoline and small mixes of ethanol such as a 10% ratio. Once this obstacle has been corrected, ethanol will be more widely used in flexible fuel vehicles.

There is potential for future growth in the ethanol industry. Last year an energy bill was created that is calling for refiners to begin using more renewable fuels. The national ethanol industry currently produces more than 4 billion gallons of ethanol fuel per year with more plants being built all the time. The ethanol industry is definitely set to sky–rocket in coming years.

Simon Oldmann is an avid writer and a green activist, he has been writing about Ethanol use since the growing popularity of Ethanol these days, Simon writes for

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