



ITT Standard

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...a newsletter for the sales network of ITT Standard

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Be on the lookout for ITT Standard's updated and enhanced website

Launch date to be announced soon!

Product Success

Kinetic Engineering, Houston TX Biodiesel Success Story

A lot has been written about alternatives to fossil fuels to fulfill the country's energy needs. Biodiesel is one alternative that is generating a great deal of interest to find a clean burning alternative fuel.

Biodiesel is produced from domestic, renewable resources which contains no petroleum. It can, however be blended at any level with petroleum diesel to create a biodiesel blend (petrodiesel). Biodiesel can be used in compression ignition (diesel) engines with little or no modifications. It is simple to use, biodegradable, nontoxic and essentially free of sulfur and aromatics.

Biodiesel is made through a chemical process called transesterification, whereby the glycerin is separated from the fat or vegetable oil leaving behind two products – methyl esters (technically called biodiesel)

ITT Standard Plate & Frame HX



and glycerin (sold to be used in soaps and other products).

Biodiesel makes up 22% of the ground transportation fuel in the US. At 200 million gallons, biodiesel made up just over .5% of the nearly \$100 billion in highway diesel fuel consumed in the US. In 2006 Biodiesel production in the US and abroad is growing dramatically and is expected to continue.

New biodiesel production technology is expanding also. **Kinetic Engineering** has had a recent success in the biodiesel marketplace supplying twelve (12) custom ITT Standard Plate and Frame heat exchangers to a customer who is on the forefront of cutting edge technology that improves the manufacture of biofuels.

A recent article on plate and frame gasket compatibility by John Boyer, Market Manager was featured in the **April 2007** edition of **WORKING TOGETHER**. Because of the uncertainty of gasket compatibility, any biodiesel application should be reviewed with the process designer before a gasket material selection can be made.



Advertising

Look for our Ad for Brazed Plate Heat Exchangers in the August Issue of Hydraulics & Pneumatics

Ethanol

American Coalition for Ethanol (ACE) launches pro-ethanol effort

The American Coalition for Ethanol (ACE) has launched a pro-ethanol grass roots effort with the intent of "setting the record straight" "on food vs. fuel" and celebrates the ethanol success story as a domestic, renewable energy resource. Outlined below are some of the finer points that ACE supports. You can also visit their website at www.ethanol.org for further information.

Blame Energy, not Corn

Corn and ethanol are conveniently being blamed for driving up food prices. Don't believe it. Stop and think about what input cost is a common thread across all food products – energy. While corn Only plays a role (and a small one at that) in the foods in which it's An ingredient, all groceries and other consumer goods are dependent upon energy for processing, packaging and shipping. Studies have found that energy prices have at least twice as much impact as corn prices in the grocery aisle.

Have we gotten so used to paying high prices for gas and diesel that we don't recognize how expensive this national addiction really is? All this outrage over a potential \$10 more a year for groceries is completely misdirected when consumers are paying an additional \$10 every week at the fuel pump due to high gas prices. Ethanol is a bright spot in an otherwise bleak energy picture and we should be cheering on its progress instead of creating controversy where none exists.

Midwest, not Middle East

Ethanol is one of the best things this country has had going in years, and now those in the vocal minority are trying to tear it down. The latest argument about ethanol driving up grocery prices completely ignores the impact \$70.00 a barrel crude oil has on food costs. Every single item in your local grocery store had to be transported there in a truck burning gas or diesel costing more than \$3 a gallon. If you want to find the real reason behind higher food prices, don't look to corn, look to energy costs.

Ethanol is a true American success story. It increases our national fuel supply while putting Americans to work at good jobs, circulating dollars up and down Main Street, and reducing the pollution coming from our cars and trucks. It's about time we started looking within our own borders for energy alternatives, instead of continuing to buy oil and gasoline from countries that don't like us very much. Buying fuel from Midwestern farmers and entrepreneurs rather than from OPEC makes great sense.

Have food prices gone down?

If higher corn prices were the reason for high food prices, why didn't food prices drop after the USDA announced this year's large corn crop? Corn prices dropped by almost a dollar in one week, but grocery stores did not budge.

For several months, the anti-ethanol chorus – with Big Oil cheering them on – has been getting louder, trying to convince people that ethanol's use of corn is the main reason for higher food prices. That sounds alarming, until you look at the facts. Corn is only a tiny fraction of the overall food-price picture and while corn prices do affect some foods, energy costs affect them all.

High crude oil prices translate into high fuel costs, not only at the pump, but also in the consumer goods that are dependent upon energy for processing, packing and transportation. If we don't continue to develop fuels like ethanol and biodiesel, there will be no end to higher fuel and food prices. "

(Article courtesy of the American Coalition for Ethanol) www.ethanol.org



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