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Biodiesel Plant Development Seminar, What You Need to Know: Technology Processes and Provider Overview

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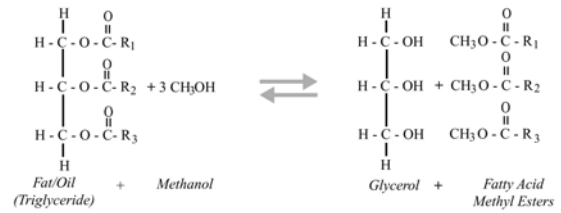
Biodiesel Plant Development Seminar, What You Need to Know: Technology Processes and Provider Overview

Presented by:

Steve Howell
 August 25, 2005

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 B iodiesel
 F easibility
 G roup, LLC

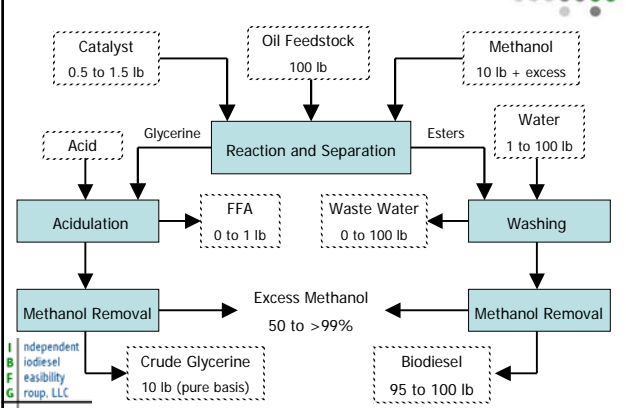
The Transesterification Reaction



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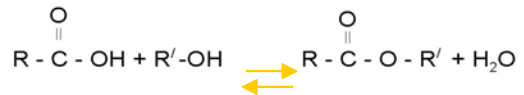
Transesterification Material Balance

slide courtesy of Superior Process Technologies

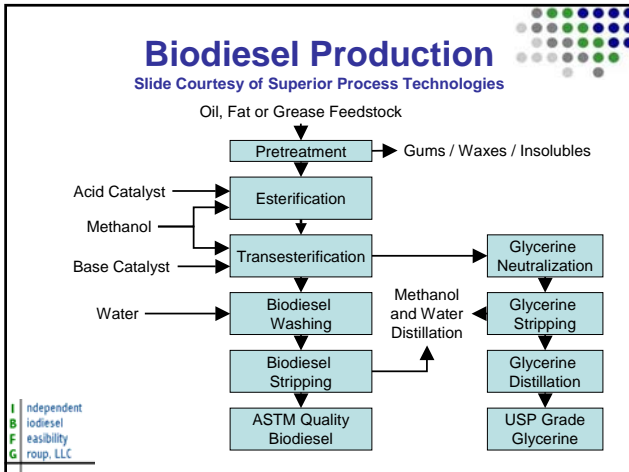


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Esterification of Free Fatty Acid



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- ## Biodiesel Technology Providers
- There are a growing number of competent providers of biodiesel plant technology
 - Significant experience with 'clean' oils and fats
 - Growing experience with less valued 'dirty' feeds
 - Many options available
 - Turn key, custom design
 - Skid mounted
 - Other services and assistance
- I**ndependent
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- ## Biodiesel Technology Providers
- resource information for those discussed
- Lurgi PSI
 - <http://www.lurgi.de/english/nbsp/index.html>
 - Superior Process Technologies
 - <http://www.superiorprocesstech.com/>
 - Biodiesel Industries
 - <http://www.biodieselindustries.com>
 - Cimbria Sket – Bratney
 - <http://www.bratney.com>
 - Crown Iron Works
 - <http://www.crowniron.com/>
 - Renewable Energy Group
 - <http://www.renewable-energy-group.com/>
- I**ndependent
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Educational Resources

- BEN: Biodiesel Education Network
- Web-based resource specifically for petroleum marketers
- Partnership between NBB/PMAA
- www.pmaa.org
- www.biodiesel.org

The screenshot shows the 'Ask Ben' website, a web-based resource for petroleum marketers. It features a navigation bar with 'BIO DIESEL' and a search bar. The main content area includes a photo of a man in a white shirt and a red background with the text 'What do you want to Ask Ben?'. Below this is a form with fields for 'Your email address', 'Company', 'Title', 'Phone', and 'Fax'. A 'Submit' button is at the bottom right.

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NBB Resources

- www.biodiesel.org
- Technical Library
- Biodiesel Bulletin
- Educational Videos Available
- Informational Resources
- Technical Resources
- On-line Database & Spec Sheets



Other web sites:

- www.nationalbiodieseleducation.org

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Other Biodiesel Resources

- www.bbibiofuels.com
- Biodiesel Magazine
– A **MUST HAVE** magazine
- Biodiesel Industry Directory On-Line



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IBFG

PO Box 820
Kearney, Missouri 64060
Phone: 816-635-5737
Email: info@ibfg.com

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