

2010 SMFD

DIESEL/BIODIESEL EDUCATION – HOON GE

Use & Copyright

The materials in this document were developed by and for use by University of Nebraska–Lincoln Extension in the Institute of Agriculture and Natural Resources. The materials are copyrighted by the Board of Regents of the University of Nebraska–Lincoln on behalf of the University of Nebraska–Lincoln Extension. All rights are reserved.

Copies may be printed for individual personal use; however, these materials can not be republished in print, on another Web site or used commercially without prior written permission. To seek permission to print a publication for educational use, please email us at dpittman1@unl.edu.

Disclaimer

Reference to commercial products or trade names in these publications is made with the understanding that no discrimination is intended and no endorsement by University of Nebraska–Lincoln Extension is implied.

Copyright 2010 University of Nebraska-Lincoln Extension

Diesel-Biodiesel Education and Technical Support

**Hoon Ge
MEG Corp**

2012SMFD-HoonGe (1)

Project Goals for FY11

- Education to Diesel Mechanic Students
- Education to Fleet Managers, Shop Supervisors and Mechanics
- Promote Increased Biodiesel use in School Bus Industry
- Nebraska Emergency Support Team
- Develop Positive Image of Biodiesel

2012SMFD-HoonGe (2)

Demand For Crude *1 barrel (bbl) = 42 gallons (U.S.)*

- Globally about 85,000,000 bbl/day
- Over 17,000,000 bbl of crude oil processed every day in the US (714,000,000 gal/day)
- 800,000,000 gal/day total product demand
 - 360,000,000 gal/day gasoline
 - 140,000,000 gal/day distillate
 - 68,000,000 gal/day jet fuel



2012SMFD-HoonGe (3)

Tips for Using Biodiesel Blends

- 1) If using a biodiesel blend, buy it pre-blended from the supplier.
- 2) Fuel tanks should be kept as full as possible to reduce the amount of air and water entering the tank.
- 3) Copper, brass, lead, tin and zinc tanks should not be used to store biodiesel.

2012SMFD-HoonGe (4)

Tips for Using Biodiesel Blends

- 4) Storage in on-site tanks should be limited to less than 6 months. The storage container should be clean, dry, and dark.
- 5) Equipment with biodiesel blends in the fuel system should not be stored for more than 6 months.
- 6) In the fall before colder weather sets in, check tanks for water concentration and microbial contamination. Check again in the spring.

2012SMFD-HoonGe (5)

Tips for Using Biodiesel Blends

- 7) Install a filter on the outgoing product from your bulk storage tank to prevent any downstream contamination.
- 8) If you have a water separator, check for indication of water daily. If there is water, drain it.
- 9) In the winter months, it's important to use appropriate additives to ensure good winter-weather operability.

2012SMFD-HoonGe (6)

Contact Information

The Nebraska Diesel Helpline is:

- For general guidance issues
- Fuel related problems
 - Diesel and Biodiesel
 - Ethanol and Gasoline

800-929-3437

Email: info@megcorpnmn.com

2012SMFD-HoonGe (7)