2010 SMFD
DIESEL/BIODIESEL EDUCATION – HOON GE

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Diesel-Biodiesel Education and Technical Support

Hoon Ge
MEG Corp

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

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

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.
**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.

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.

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**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@megcorpmn.com

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