Pacific Biodiesel

Company History
- Formed in 1995 in Maui Hawaii
- Built 13 biodiesel facilities
- Advanced technology to exceed ASTM standards

Present Company Activities
- Used oil collection
- Farming & oilseed pressing
- Biodiesel production
- Fuel sales and distribution
The New York Times

Big Island Plant in Hawaii Is First to Be Certified as Sustainable
U.S. Biodiesel Specification is
ASTM D-6751 for B100
ASTM D-7467 for B6-B20
ASTM D-975 for B5 or less

- First spec was created in 2002
- Over 16 modifications during 10 years
- Changes are predominantly driven by diesel engine manufacturer’s requirements
Biodiesel Effects with DPF and SCR

- Particulate Matter reductions
  - 37% to 50% with B20
  - 71% to 79% with B99

- “The SCR system reduced NOx emissions by 64%-87%, and its performance was not affected by the use of biodiesel”

NREL 2009 SAE report
Engine and Vehicle Manufacturer Approvals

“Federal law prohibits the voiding of a warranty just because biodiesel was used.”
Manufacturers Approving B20

- Audi (MN and IL only)
- Blue Bird
- Case
- Caterpillar
- Chrysler (fleets only)
- Cummins
- Ford
- Freightliner (Cummins powered)
- GM

- Hino
- Isuzu
- John Deere
- Kubota
- Mack
- Thomas Built Buses
- Volkswagen (MN and IL only)
- Volvo
- Yanmar
Manufactures Approving B100

- Case IH
- Deutz
- Fairbanks Morse
- Scania (including Euro 6 engines)
Renew Hawaii

- Reduced emissions
- Green jobs
- Sustainable Energy
Schofield Barracks 50MW Fast Start