

Table 1.H3 Physical Characteristics of Biodiesel vs. Ultra Low Sulfur Diesel (ULSD)

	Biodiesel (soybean)	Ultra Low Sulfur Diesel
Heat Content (Btu/gallon)	118,952	139,000
Flash Point (oC)	93	>52
Pour Point (oC)	0	-27
Cloud Point (oC)	2	-23
Sulfur (ppm)	0-2	<15

Sources: Heat contents: (Biodiesel) Energy Information Administration, Monthly Annual Energy Review (November 2007), Table A3.

http://www.eia.doe.gov/emeu/mer/pdf/pages/sec12_3.pdf. (Diesel) Energy Information Administration.

http://www.eia.doe.gov/basics/conversion_basics.html. Flash point (Diesel) McCormick, Bob. National Renewable Energy Lab. Renewable Diesel

Fuels: Status of Technology and R&D Needs. http://www1.eere.energy.gov/vehiclesandfuels/pdfs/deer_2002/session4/2002_deer_mccormick.pdf

August 2003. Flash Point (Biodiesel) Cloud Point (Diesel and Biodiesel) and Pour Point (Diesel and Biodiesel): National Biodiesel Board, Biodiesel

Cold Weather Blending Study. http://www.biodiesel.org/resources/reportsdatabase/reports/gen/20050728_gen-354.pdf. Sulfur (Biodiesel): ASTM

Specification 6751-07b. http://biodiesel.org/pdf_files/fuelfactsheets/BDSpec.PDF. (Diesel) Environmental Protection Agency, Program Update:

introduction of Cleaner-burning Diesel Fuel Enables Advanced Pollution Control for Cars, Trucks and Buses EPA420-F-06-064, October 2006

<http://www.epa.gov/otaq/highway-diesel/regs/420f06064.htm>