

Endorsements:

According to the National Renewable Energy Laboratory, “manufacturers warrant their products against defects in materials and workmanship. In general, use of a particular fuel should have no effect on the materials and workmanship warranty.” Use of biodiesel should not “void the warranty,” as this may be prohibited by the [Magnuson-Moss Warranty Act](#). Manufacturers are concerned that extensive use of biodiesel will result in increased numbers of warranty claims for what are actually problems caused by the fuel. Engine and vehicle manufacturers are generally comfortable with blends up to 5%.

Many engine original equipment manufacturers (OEMs) are acknowledging biodiesel use by stating their observations about harmful effects, or lack of effects, with various blends in their equipment. While manufacturers do not warrant the fuel itself, many have position statements and recommendations on biodiesel. Here are excerpts from some manufacturer's recent position statements on biodiesel:

Engine Manufacturer	Position
EMA Caterpillar	Up to 5% biodiesel, must meet ASTM D6751 Many engines approved for B100, others limited to B5. Must meet ASTM 6751
Cummins	All engines approved for up to 5% biodiesel, must meet ASTM D6751
Detroit Diesel	Approve up to 20% biodiesel. Must meet DDC specific diesel fuel specification
Ford	Up to 5% biodiesel, must meet both ASTM D6751 and EN 14214
General Motors	All engines approved for up to 5% biodiesel, must meet ASTM 6751
International	Approve up to 20% biodiesel, must meet ASTM D6751
DaimlerChrysler	5% biodiesel factory fill on all new 2005 Jeep Liberty Common Rail Diesel vehicles
John Deere	All engines approved for 5% biodiesel, must meet ASTM D6751
	(Note: Recently announced 2% biodiesel factory fill on all new products leaving the factory)
American Trucking Association	Endorses the use of biodiesel blends of up to 5%.
Case International Harvester	Approved use of B20 in all Case IH engines. Also, every piece of equipment leaving the factory contains a biodiesel blend in the tank.
Mack	Approves of blends up to B20
Volvo	Approves of blends up to B20
Fairbanks Morse	Endorses the use of biodiesel blends of up to 100% for its medium speed diesel engines
Kubota Tractor Corporation	Approves use of biodiesel blends of 5% that meet ASTM D6751 in all diesel powered equipment

Mercedes-Benz	Approves use of biodiesel blends of 5% that meet ASTM D6751 in all CDI and BLUETEC engines
New Holland	Approves use of blends up to B20 in all equipment manufactured
UD trucks/Nissan Diesel	Approves use of B5 that meets ASTM D6751 in all diesel engines
Volkswagen	Endorses use of B5 meeting ASTM D6751 in all TDI engines. Working with Archer Daniels Midland to approve higher blends.

Fuel Injection Equipment

Position

Bosch	Up to 5% biodiesel, must meet EN 14214
Delphi	Up to 5% biodiesel, must meet ASTM D6751
Stanadyne	Up to 20% biodiesel, must meet ASTM D6751

Solution: Consult with the original equipment manufacturer (OEM) and engine warranty statement before using biodiesel. Non-fuel related warranty issues should not be affected by biodiesel use. Biodiesel produced by EnerSight Fuels will meet or exceed ASTM D6751 standards and not void the warranty on your vehicle or equipment. If you have any further questions regarding biodiesel use in your vehicle please feel free to contact us and we will be glad to answer them.