



Innovation Fuels' Products

Innovation Fuels Biodiesel meets both ASTM D6751 and EN 14214 Specifications

BIODIESEL QUALITY GUARANTEE – UNITED STATES SPECIFICATIONS

PROPERTY	TEST METHOD	SPECIFICATION	UNITS
Flash Point	ASTM D93	130 minimum	°C
Water and Sediment	ASTM D2709	0.050 maximum	% volume
Kinematic viscosity, 40°C	ASTM D445	1.9 – 6.0	mm ² /s
Sulfated ash	ASTM D874	0.020 maximum	% mass
Sulfur	ASTM D5453	0.0015 maximum	% mass
Copper strip corrosion	ASTM D130	No. 3 maximum	-
Cetane number	ASTM D613	47 minimum	-
Carbon residue	ASTM D4530	0.050 maximum	% mass
Acid number	ASTM D664	0.50 maximum	mg KOH/g
Free glycerin	ASTM D6584	0.020 maximum	% mass
Total glycerin	ASTM D6584	0.240 maximum	% mass
Phosphorus	ASTM D4951	0.001 maximum	% mass
Distillation temperature, atmospheric equivalent temperature 90% recovered	ASTM D1160	360 maximum	°C
Sodium + Potassium	EN14538	5 maximum	ppm
Calcium + Magnesium	EN14538	5 maximum	ppm
Oxidation Stability	EN14112	5 minimum	hours
Visual Appearance	ASTM D4176	2 maximum	-



About Innovation Fuels

Biodiesel... GOOD FOR YOU, GOOD FOR YOUR BUSINESS, GOOD FOR THE WORLD ...Fuel for Today and Tomorrow

Who is Innovation Fuels?

Innovation Fuels is a leading biodiesel company with a regional focus and global reach. We operate within the United States at strategic port locations that allow us to supply regional customers and a network of international partners. Our biodiesel is produced from a variety of virgin and used vegetable oils as well as tallows. We manufacture to the highest standards, and our biodiesel meets international specifications including EN 14214 and ASTM D6751. Our team of chemical and operational professionals can also supply premium biodiesel meeting customer specific requirements.

Why choose Innovation Fuels?

Whether you're a private sector or government user in power generation, fuel oil distribution, construction, or transportation, Innovation Fuels has the expertise, experience, and capacity to meet your immediate and long-term needs. We are a full voting member of the National Biodiesel Board and an accredited member of the ASTM Society. By using innovative, proprietary production technology, Innovation Fuels biodiesel is the highest quality at the lowest cost to you.

Taking care of our customers is our number one business priority. We pride ourselves on our ability to connect with and provide innovative solutions to our customers. Our goal is to help you choose biodiesel as a viable, sustainable, high-performance fuel. Let us put our extensive experience in the fuel industry to work for you.

Why choose Innovation Fuels Biodiesel?

Biodiesel is the fastest growing alternative fuel. It's clean and non-toxic so it's good for you. It's high-quality and easy to integrate into your operation so it's good for your business. And it's biodegradable and renewable so it's good for the world. Biodiesel contains no petroleum but it can be blended at any level with petroleum diesel and works in any diesel engine.

Innovation Fuels biodiesel has the following benefits:

- High cetane (average over 50)
- Ultra low sulfur (average ~2 ppm)
- Low agriculture inputs (soybeans)
- 78 percent life cycle CO₂ reduction
- High lubricity, even in blends as low as one to two percent
- Renewable, sustainable
- Domestically produced
- Reduces NO_x in boilers and home heating
- Biodiesel tax incentive benefits
- Reduces HC, PM, CO in existing diesel engines