Renewable Diesel & Biodiesel Comparative

MANSFIELD

NOW YOU CAN

READY TO LOWER EMISSIONS WITHOUT CAPITAL COSTS?

The road to sustainability is not a one-size-fits-all approach. Companies may use a variety of low-carbon alternatives in their efforts to reach their emissions reduction goals, including the use of biofuels such as Renewable Diesel and Biodiesel.

8,000

CUSTOMERS ACROSS THE U.S. AND CANADA

Mansfield Energy can help. With a broad range of solutions, Mansfield can help you develop and execute a low-carbon fuel strategy that meets your needs and gets you to your destination.

BIGGER REACH

Leverage the purchasing power and distribution network that always delivers what you need, where you need it.

BROADER SOLUTIONS

Gain easy access to products, services, and technologies that streamline your operations.

BETTER ADVICE

Find creative solutions and continuously improve your program with our expert team of industry veterans.

INFO@MANSFIELDOIL.COM

800-695-6626

WWW.MANSFIELD.ENERGY

WHAT IS RENEWABLE DIESEL?

Renewable Diesel (RD) is a biomass-based diesel fuel that is a drop-in replacement for Ultra-Low Sulfur Diesel (ULSD).

Renewable Diesel is chemically equivalent to ULSD, thereby meeting ASTM D975 specifications and can be used in any existing pipelines, tanks, and engines in neat (unblended) form or blended at any percentage with ULSD.

Due to higher production costs, Renewable Diesel availability is primarily concentrated in markets that incentivize low-carbon fuels through state or provincial programs, such as California, Oregon, Washington state, and British Columbia. Regional incentives help suppliers to provide Renewable Diesel at prices comparable to ULSD.

HOW DO THEY COMPARE?

Similarities

- Both are biofuels, which are liquid fuels produced from renewable biological sources such as soybean oil, used cooking oil, and waste animal fats.
- Both reduce lifecycle CO2 emissions when compared ULSD.
- Both are nontoxic and biodegradable.

Differences

- Biodiesel offers increased lubricity but must be blended with ULSD or Renewable Diesel, whereas Renewable Diesel is fully interchangeable with ULSD, and no blending is required.
- Renewable Diesel contains less impurities thereby having better cold weather performance than biodiesel, as well as greater stability for safer extended storage periods.
- Biodiesel is more widely available in markets across the U.S. and Canada.

WHAT IS BIODIESEL?

Biodiesel is a biomass-based diesel fuel that can be blended with ULSD or Renewable Diesel at rates up to 20% without impacting engine manufacturer warranties.

Bioblends between 6%-20% meet ASTM D7467 specifications, not petroleum diesel specifications, therefore extra care and preparation such as testing and cleaning is encouraged when introducing Biodiesel into existing diesel infrastructure and equipment.

Because Biodiesel production is less intensive than Renewable Diesel, its lower production costs coupled with federal and regional incentives often lead to Biodiesel being more cost effective than ULSD in many markets across the U.S. and Canada.

WHICH IS BEST FOR MY BUSINESS?

Renewable Diesel and Biodiesel offer unique benefits that can accelerate sustainability strategies without incurring capital costs for new low emissions vehicles and equipment.

Renewable Diesel offers high performance with a 75+ cetane number, less operating cost due to 30% less soot, and easy implementation. However, where Renewable Diesel is not available or economically favored, Biodiesel blends are an alternative for immediate carbon reduction.

CARBON FOOTPRINT

Calculate your fleets carbon footprint and the emissions you can save by making the switch to alternative fuels at https://mansfield.involve.me/biofuels-emission-reduction

MANSFIELD

Learn more on how to improve your sustainability strategy.