

BIODIESEL+RENEWABLE DIESEL Better Together



BIODIESEL & RENEWABLE DIESEL

are low-carbon diesel-replacement fuels produced from renewable feedstocks such as used cooking oil, animal fats, inedible corn oil, soybean oil and canola oil.



Produced through esterification or transesterification, a simple process that reacts a fat or oil with a small amount of alcohol (typically methanol) to produce a finished fuel.



A "drop-in" fuel that can be used in all engines and equipment up to 100%.

This high-heat, high-pressure process

produces a fuel that is chemically

Produced through hydrotreating, a process similar to a traditional refinery operation.

indistinguishable from conventional diesel.

Ultra-low sulfur and 0% aromatics.

RENEWABLE DIESEL IS...

Better for engines due to higher cetane.

A "drop-in" fuel that can be used in all engines and equipment up to 20% and many up to 100%.

Non-toxic, biodegradable, ultra-low sulfur and 0% aromatics

Better for engines due to higher cetane and improved lubricity.

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Made to meet the requirements of ASTM D975 (B5), D7467 (B6-B20), and D6751 (B100).



Made to meet the requirements of ASTM D975 (all blends).

B RD		B 100	RD 100	B 20 RD 80	B 50 RD 50
THE BEST FUEL IS A combination of biodiesel and renewable diesel produces a cost-effective full replacement option for petroleum diesel. As a paired fuel, biodiesel and renewable diesel optimize petroleum displacement and cost, as well as particulate matter, carbon and nitrogen oxide reductions.	GHG	Up to 79% less carbon emissions.	Up to 79% less carbon emissions.	Up to 79% less carbon emissions.	Up to 79% less carbon emissions.
	PM	80% particulate matter reduction.	5-28% particulate matter reduction.	29% particulate matter reduction.	56% particulate matter reduction.
	BTX	75% fewer aromatic compounds.	30% fewer aromatic compounds.	39% fewer aromatic compounds.	53% fewer aromatic compounds.
		42% less carbon monoxide.	18% less carbon monoxide.	23% less carbon monoxide.	30% less carbon monoxide.
	NOx	NOx neutral.	11.5% NOx reduction.	9% NOx reduction.	6% NOx reduction.
ABOUT BIODIESEL AND RENEWABLE DIESEL Sources: Impact of biodiesel and renewable diesel on emissions of regulated pollutants and greenhouse gases on a 2000 heavy duty diesel truck, California Air Resources Board, 2015; Effects of biodiesel blends on emissions, National Renewable Energy Laboratory, 2006.					
Made from plant-based oils, used cooking oils, and animal fats		Can be used in any diesel engine without modification Commercially available nationwide Regime without modification			

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