

# Renewable Diesel

## Frequently Asked Questions



### What is renewable diesel?

Renewable diesel is a high-quality diesel fuel made from renewable resources like vegetable oils, animal fats, and waste cooking oils. It is chemically similar to petroleum diesel but has a lower carbon footprint and fewer impurities.



### Can renewable diesel be used in all diesel engines?

Yes, renewable diesel is a drop-in fuel, meaning it is fully compatible with all diesel engines without requiring any modifications or special handling.

### Is renewable diesel the same as biodiesel?

No, renewable diesel is produced through a refining process called hydrotreating, which results in a fuel that is chemically similar to petroleum diesel. Biodiesel, on the other hand, is made through transesterification and contains fatty acid methyl esters (FAME), making it different in chemical composition.



### How does renewable diesel impact greenhouse gas emissions?

Renewable diesel significantly reduces lifecycle greenhouse gas emissions compared to petroleum diesel, with CI scores ranging from 20-50 gCO<sub>2</sub>e/MJ, which is substantially lower than petroleum diesel's 95-102 gCO<sub>2</sub>e/MJ.



### How does renewable diesel affect engine performance?

Renewable diesel has a higher cetane number than petroleum diesel, which can improve combustion efficiency, reduce engine noise, and lead to smoother operation.

### Will using renewable diesel void my warranty?

No, using renewable diesel will not void your vehicle or equipment warranty as it meets ASTM D975 standards, the same as petroleum diesel.



### What are the long-term benefits of using renewable diesel?

Long-term benefits include reduced engine wear and maintenance costs, lower emissions, and a more sustainable and environmentally friendly fuel economy.

### Are there any differences in storage or handling for renewable diesel?

No, renewable diesel can be stored and handled just like petroleum diesel, using the same tanks and dispensing equipment.



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