

HIGHER BLENDS YIELD BETTER PERFORMANCE AND CLEANER COMMUNITIES

What is Renewable Diesel?

Renewable diesel is a fully renewable diesel fuel that, according to the EPA, can reduce greenhouse gas emissions by up to 78% on a per gallon basis compared to fossil diesel¹. Renewable diesel uses a wide range of fats, oils, and waste products from the food and restaurant industries to create a fuel that performs as well as fossil diesel—without the environmental impact. What's even better—renewable diesel is a drop-in fuel that's compatible with current storage tanks and diesel engines without any modifications.

Easily Transition to Renewable Diesel

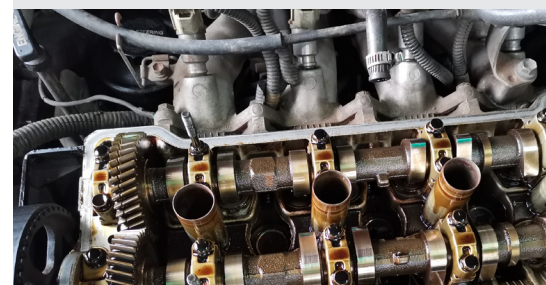
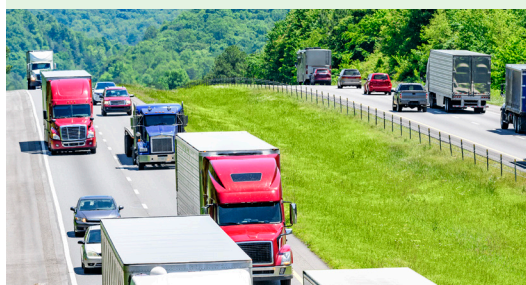
- 100% compatible with all diesel engines with no modifications required
- Meets ASTM D975 and state & federal petroleum diesel specifications
- Excellent storage properties - its chemical formula lends itself to better stability and limited risk of water absorption
- Major OEM approvals from brands such as Detroit Diesel, Cummins, Caterpillar, Volvo, Mack, Peterbilt, & Freightliner² for peace-of-mind
- 37.3% of CA diesel market is RD³

Meet Your Environmental and Sustainability Goals

- According to EPA, renewable diesel can reduce emissions up to 78% on a per gallon basis compared to fossil diesel
- Made from renewable feedstocks such as plant oils, animal fats, recycled cooking oil, and other waste greases
- As public policy evolves, renewable diesel is your chance to quickly meet your sustainability needs while leading the move towards a lower-carbon future

High Performance and Lower Maintenance

- Hydrogenated, not oxygenated, which yields cold weather performance and improved storage and handling
- Produces 30% less soot, which helps prevent filter plugging and costly downtime with fewer Diesel Particulate Filter replacements⁴
- Greater combustion efficiency, quicker cold starts with cetane of 70+ versus ASTM D975 40 min
- Improved maintenance intervals due to near-zero contaminants
- Lower risk of deposits in injectors⁵



Improved maintenance intervals due to near-zero contaminants

Fleet operators are already reporting savings from reduced maintenance costs thanks to renewable diesel:

- Titan Freight Systems, a PNW trucking fleet, notes savings of \$0.011/gal⁶
- Argent Materials, a CA aggregate supplier, indicated that they have not had a single Diesel Particulate Filter issue⁷
- Twin Rivers Unified School District in CA notes fewer maintenance costs for parts and longer life for engine oil⁸
- Penske Truck Leasing indicated operational costs dropped to roughly \$0.02/gal⁹

References

- 1 <https://www.epa.gov/system/files/documents/2023-05/summary-lca-results-for-web-v1-1-2023-04.xlsx>
- 2 <https://www.neste.us/neste-my-renewable-diesel/product-information/oem-approvals>
- 3 <https://www.fastmarkets.com/insights/renewable-diesel-credits-on-the-rise#:~:text=Renewable%20diesel%20and%20biodiesel%20have,diesel%20fuel%20market%20in%20California.>
- 4 <https://www.truckinginfo.com/10167765/why-these-fleets-use-renewable-diesel-fuel>
- 5, 6, 7 https://www.neste.com/sites/default/files/attachments/neste_renewable_diesel_handbook.pdf
- 8 <https://www.youtube.com/watch?v=kuhtrpB1gps>
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