Innovation for Our Energy Future

Educating Consumers: New Content on Diesel Vehicles, Diesel Exhaust Fluid, and Selective Catalytic Reduction Technologies on the AFDC

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What is the AFDC?

Alternative Fuels and Advanced Vehicles Data Center (AFDC)

- > Technology-focused Web site
- Comprehensive alternative fuels and advanced vehicle information
- > Tools for the general public, fleets, educators, and consumers
 - Alternative Fueling Station Locator
 - Vehicle Search (alternative fuel and advanced)
 - Cost/Emissions Calculators
 - Laws and Incentives
 - Publications Database
 - Truck Stop Electrification Site Locator

AFDC: www.eere.energy.gov/afdc



Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable



EERE Home

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Alternative Fuels & Advanced Vehicles Data Center



The Alternative Fuels and Advanced Vehicles Data Center (AFDC, formerly known as the Alternative Fuels Data Center) provides a wide range of information and resources to enable the use of alternative fuels (as defined by the Energy Policy Act of 1992), in addition to other petroleum reduction options such as advanced vehicles, fuel blends, idle reduction, and fuel economy.

This site is sponsored by the U.S. Department of Energy's Clean Cities initiative.



Data, Analysis, and Trends

Our Data, Analysis, and Trends section provides industry trends and facts based on data analysis.



Alternative Fuel Portals

- Biodiesel
- Electricity
- Ethanol Propane

More Fuels Information >



Select Vehicle Information

- Conversions
- HEVs Emissions
- Fuel Economy
- Plua-in Hybrids Idle Reduction

Hvdroaen

Natural Gas

More Vehicle Information >



Ouick Links to AFDC Tools

- · Vehicle Make & Model Search
- Alternative Fueling Station Locator
- Incentives & Laws
- Publications Search

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Handbook for Handling, Storing, and Dispensing

E85 ▶ (PDF 5.4 MB) Download Adobe Reader

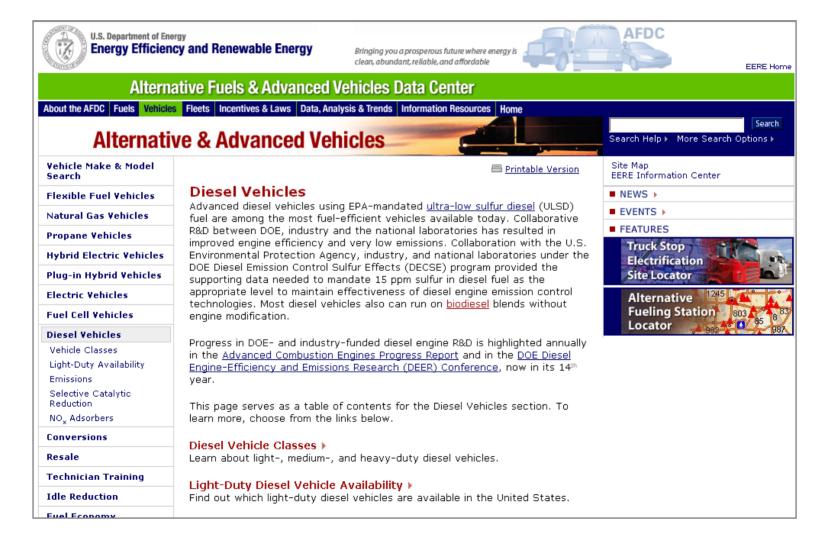
Why Diesel Information?

- ➤ Light-duty diesels are ready to enter the marketplace
- ➤ Fuel-efficiency improvements to light-duty diesels lead to reduced dependence on foreign oil
- Some light- and heavy-duty vehicles will require diesel exhaust fluid (DEF), and consumers need to be trained on how to use it
- ➤ Adding DEF information to the AFDC is a cooperative effort between:
 - U.S. Department of Energy
 - National Renewable Energy Laboratory
 - Alliance of Automobile Manufacturers

Diesel Information on the AFDC

- Content is located in the Diesel Vehicles section and includes links to relevant information
- ➤ All vehicle classes are covered (light-, medium-, and heavy-duty)
- ➤ Topics covered on the site include:
 - Light-duty vehicle availability
 - Emissions
 - Selective catalytic reduction
 - DEF
 - NO_x traps

Diesel Vehicles Section



Propane Vehicles

Electric Vehicles

Fuel Cell Vehicles Diesel Vehicles Vehicle Classes Light-Duty Availability

Technician Training Idle Reduction Fuel Economy

Emissions Selective Catalytic Reduction NO. Adsorbers Conversions Resale

Hybrid Electric Vehicles

Plug-in Hybrid Vehicles

Light-Duty Diesel Vehicle Availability

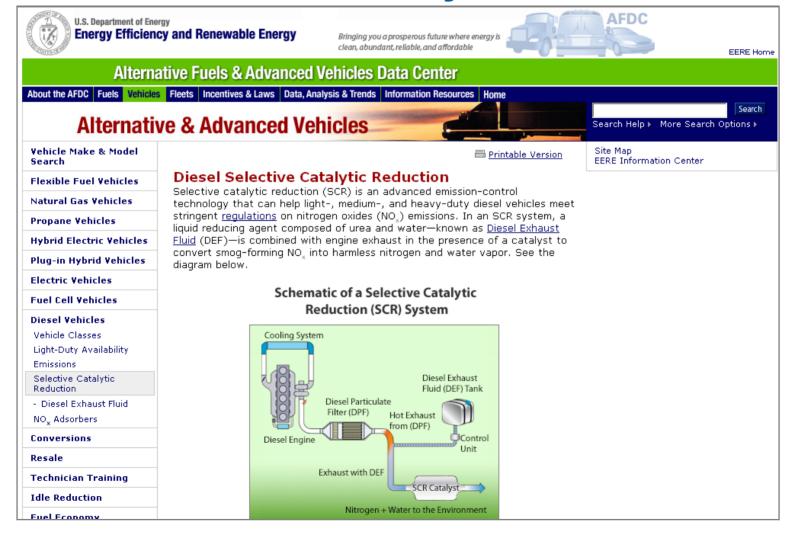


manufacturers will be producing light-duty diesels, and these vehicles will be more fuel efficient and environmentally friendly than ever.

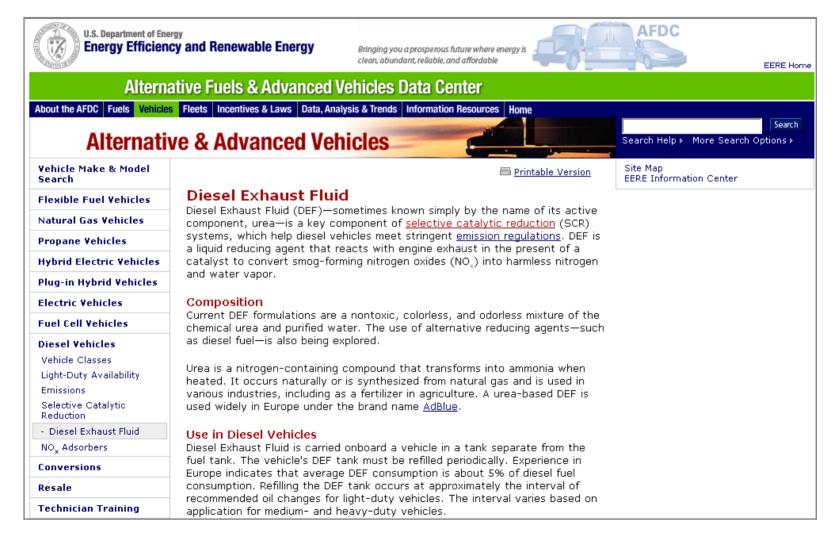
To learn about currently available light-duty diesel vehicles, use the FuelEconomy.gov's diesel vehicle search engine or visit the Diesel Technology Forum's Diesels for Sale in the U.S. (this page lists some larger diesel vehicles as well.)



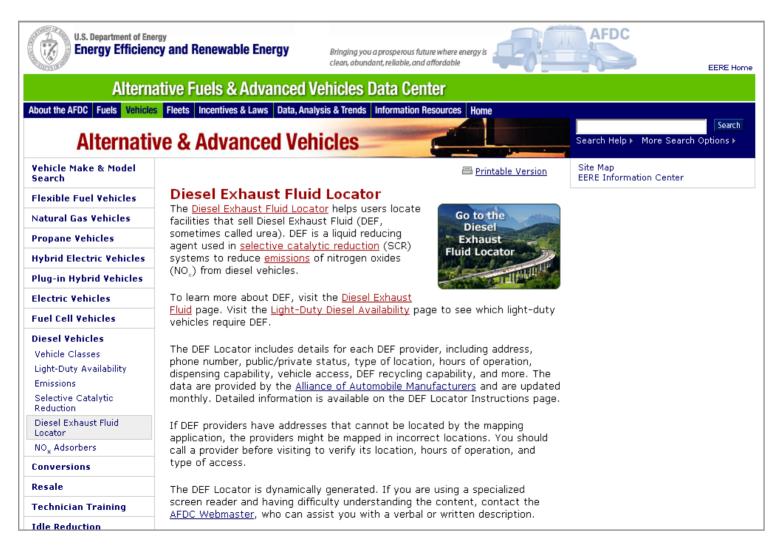
Diesel Selective Catalytic Reduction



Diesel Exhaust Fluid



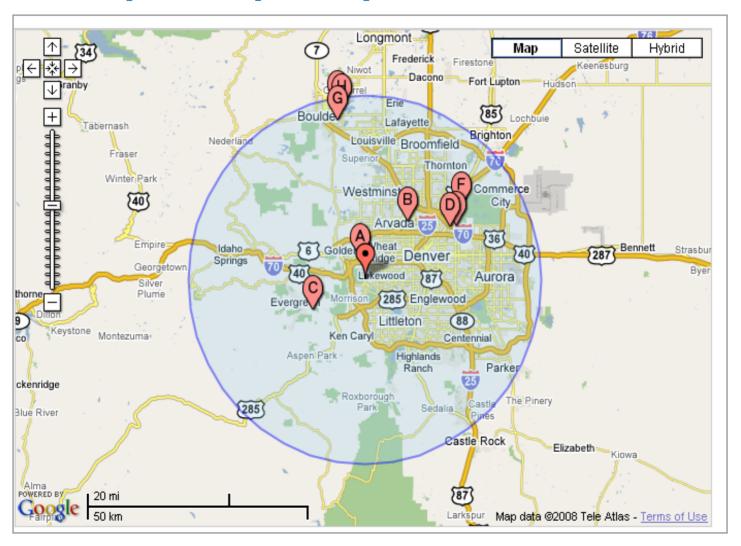
Diesel Exhaust Fluid Locator (Still in development)



Plans for the DEF Locator

- ➤ Application will run using Google Maps
- Basic search will provide a quick search for most users' needs
- Advanced search will meet additional needs
 - Will search by location type, access type, DEF dispenser type, vehicles serviced, and payment methods
- > Route-mapping capability will also be available

Example Map Output



Scheduled Release of DEF Locator

- ➤ Some original equipment manufacturers (OEM) anticipate the public release of light-duty diesel vehicles utilizing DEF in fall 2008
- ➤ General-educational portions of the Diesel Vehicles section went live in late July 2008
- ➤ Diesel Exhaust Fluid Locator is due to go live early fall 2008 in conjunction with the release of OEM light-duty diesel vehicles