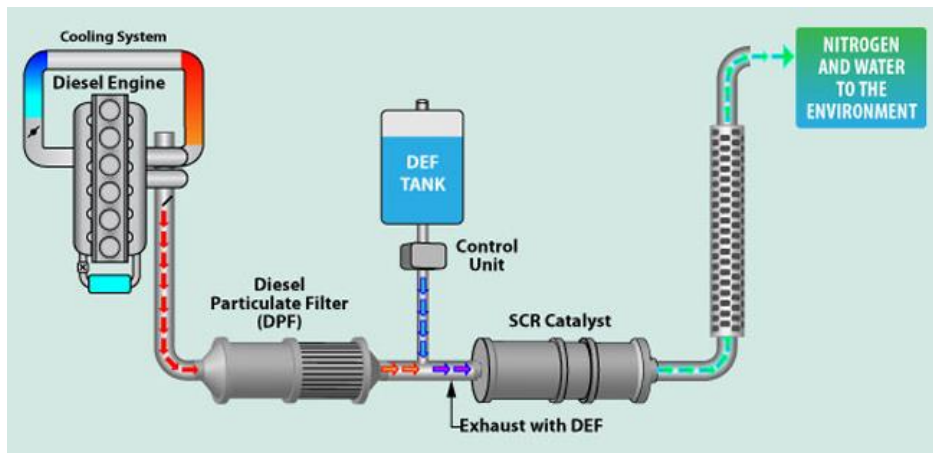


## Diesel Exhaust Fluid Contamination Facts

- A penny dropped in a tank can contaminate up to 10,000 gallons of DEF
- A half tablespoon of dirt or shop dust from an open, previously used container or pump can contaminate several hundred gallons of DEF
- The highest risk from contamination comes when the fluid is improperly stored in the shop and then dispensed into the truck with dirty containers or equipment
- An open container stored in a shop can accumulate enough dirt and dust to contaminate several hundred gallons of DEF
- 1 five gallon tank of contaminated DEF can effectively shut down your truck requiring expensive repairs and downtime
- Repeated use of contaminated DEF can shorten the life or destroy your SCR system requiring replacement of this component
- Replacement of the SCR unit costs over \$10,000 for parts alone
- A 10 cent/gallon savings on DEF would require a truck to use 100,000 gallons of DEF to pay for 1 SCR unit. At 7 MPG this would be over 3.5 million gallons of fuel

## How Does The System Work?

- DEF injected into exhaust stream by nozzle similar to fuel injector between DPF & SCR catalyst unit
- Water immediately evaporates
- Urea gas mixes with exhaust gas & passes through SCR unit
- Mix reacts with metals and converts to nitrogen and H<sub>2</sub>O



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