



DIESEL EXHAUST FLUID



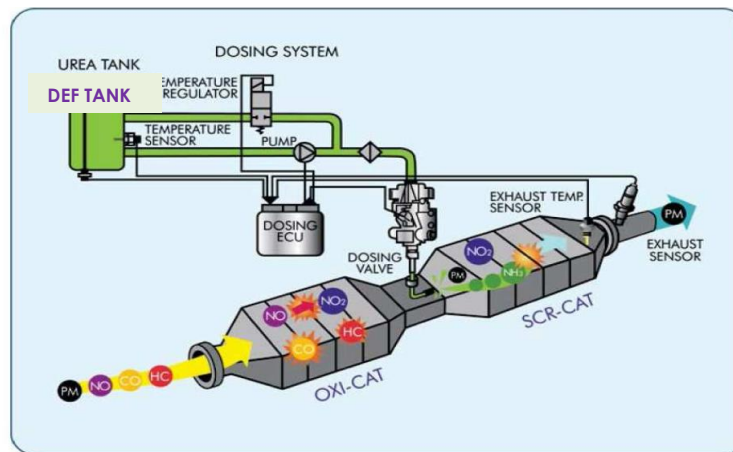
Turbo
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MAKES VEHICLE SCR SYSTEM TO ACHIEVE BS4/BS6 EMISSION STANDARDS



Diesel Exhaust SCR Technology



SCR technology uses ammonia to reduce NOx to elemental nitrogen and water.

What is Selective Catalytic Reduction (SCR) Technology and Diesel Exhaust Fluid (DEF)

Since the introduction of diesel emissions legislation, truck manufacturers have battled to reduce emissions while maintaining and improving engine torque. Selective Catalytic Reduction (SCR) technology uses a catalyst system to break down dangerous NOx emissions produced by diesel engines into nitrogen and water. The chemical reactions used in SCR systems require a constant feed of ammonia gas. It is an after treatment technology, which means that it deals with emissions without adapting combustion conditions. In contrast, Exhaust Gas Recirculation (EGR) technology functions by reducing combustion temperatures, thereby reducing NOx. The use of SCR has allowed therefore manufacturers to tune engines, improving fuel efficiency and increasing torque.

Diesel Exhaust Fluid (DEF) is a non-hazardous solution/fluid which is sprayed into the exhaust stream of diesel vehicles to break down dangerous NOx emissions into harmless nitrogen and water. DEF has been widely accepted as a vital fluid in trucks and many diesel pickups and SUVs to meet the emissions standards of BS4/BS6 vehicles. DEF is not a fuel additive and never comes into contact with diesel. It is stored in a separate tank, typically with a blue filler cap. DEF is sprayed into the exhaust stream by an advanced injection system and then converted into ammonia on a catalyst.

What fuel saving expected from a truck equipped with SCR technology?

Selective Catalytic Reduction (SCR) being an after treatment emissions control technology, which deals with emissions outside of the engine, the manufacturers are able to tune engines to boost performance and achieve fuel savings. The extent of these savings will vary, but fleets' experiences with heavy-duty trucks suggests fuel savings of around 5% compared to Non-SCR models with similar engine specifications.

What is the shelf life of Diesel Exhaust Fluid (DEF)?

Diesel Exhaust Fluid (DEF) has a shelf life of two years. However, this may be reduced to six months if the fluid is exposed to direct sunlight or if the temperature of the DEF remains above 86°F (30°C) for sustained periods.

EuroDeF Features

- Meets ISO22241-1 and AUS32 Specifications
- Meets OEM specifications
- Formulated for SCR System Protection
- Reduces SCR Component Wear
- Extends SCR Catalyst Life
- Compatible with all Vehicles SCR system.
- Ensures maximum life for the SCR system.

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