



# CC3 Tier4 4-8 Liter

Version: 12.0.0

After completing this 40 hour course and online prerequisites, the student will have gained a thorough understanding of the T/C/D4.1, 6.1, and 7.8 diesel engines developed by DEUTZ AG. This includes the use of relevant service tools, troubleshooting, and repair techniques which are reinforced through theory and hands-on instruction.

## Day 1

- **Pretest**
- **Prerequisites**
  - Obtaining engine datasheets
  - Obtaining literature
  - Obtaining wiring schematics
  - Obtaining job cards
  - Obtaining Serdia 2010
- **Operating Liquids**
  - Coolant requirements
  - Lube oil requirements
  - Fuel requirements
  - DEF requirements
- **Mechanical**

## Day 2

- **Fuel system**
  - System overview
  - Component function (continued)
  - Troubleshooting
- **Exhaust Gas Recirculation (EGR)**
  - System overview
  - Troubleshooting

## Day 3

- **Diesel Particulate Filter (DPF)**
  - Soot load
  - Ash load
  - Regeneration Overview
  - CRT regeneration
  - Burner regeneration
  - Troubleshooting

## Day 4

- **Selective Catalytic Reduction (SCR)**
  - Diesel exhaust fluid
  - System overview
  - Troubleshooting
- **Electrical**
  - ECU power supply
  - ECU communication
  - Harness overview
  - Current limitation

## Day 5

- **Hands-on**
  - Serdia 2010
  - Circuit testing
- **Post test**
  - Test review