



# Tier4 12-16 Liter V CC2 Agenda

Version: 12.0.0

After completing this 8 hour course and online prerequisites, the student will have gained a basic understanding of the TCD12.0 and TCD16.0 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.

- **Prerequisites**
  - Cylinder arrangement and numbering
  - Obtaining engine datasheets
  - Obtaining literature
  - Obtaining wiring schematics
  - Obtaining job cards
  - Obtaining Serdia 2010
- **Fluid requirements**
  - Coolant requirements
  - Lube oil requirements
  - Fuel requirements
  - DEF requirements
- **Series overview**
  - TCD12.0/16.0
  - Dataplate and locations
- **Maintenance**
  - Maintenance adhesive
  - Maintenance schedule

- **Cooling system**
  - System overview
- **Lubrication system**
  - System overview
  - Troubleshooting
- **Fuel system**
  - 12.0/16.0 System overview
  - 12.0/16.0 Component function
  - Troubleshooting
- **Selective Catalytic Reduction (SCR)**
  - 12.0/16.0 System overview
  - Troubleshooting
- **Post test**
  - Test review