



# 12-16 Liter V CC3 Training Agenda

Version: 12.0.0

After completing this 30 hour course and online prerequisites, the student will have gained a thorough understanding of the TCD2015 and 12.0/16.0 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.

## Day 1

- **Pretest**
- **Prerequisites**
  - DEUTZ products and nomenclature
  - Cylinder arrangement and numbering
  - Obtaining engine datasheets
  - Obtaining literature
  - Obtaining wiring schematics
  - Obtaining job cards
  - Obtaining Serdia 2010
- **Operating liquids**
  - Coolant
  - Lubricating oil
  - Fuel
  - DEF
- **Series overview**
  - TCD2015
  - TCD16.0
  - Dataplate and locations

## Day 1 continued

- **Maintenance**
  - Maintenance adhesive
  - Maintenance schedule
- **Cooling system**
  - System overview
- **Lubrication system**
  - System overview
  - Troubleshooting
- **Mechanical**

## Day 2

- **Mechanical continued**
- **Fuel system**
  - TCD2015 overview
  - TCD12.0/16.0 overview
  - Troubleshooting

## Day 3

- **Exhaust Gas Recirculation**
  - System overview
- **Selective Catalytic Reduction (SCR)**
  - Nox emissions
  - Diesel exhaust fluid
  - System overview
  - Troubleshooting

## Day 4

- **Electronic governing**
  - ECU power supply
  - ECU communication
  - Harness overview
  - Current limitation
- **Post test**
  - Test review