

CDX Diesel Curriculum

- L1 Introduction to training in the motor industry
- L1 Safety and first-aid knowledge in the workshop
- L1 Identify lubricants, materials and metals
- L1 Care and use of tools applicable to the trade
- L1 Identify locking devices
- L1 Identify and fit gaskets and seals
- L1 Apply basic hand skills
- L1 Identify heavy duty vehicle components
- L1 Understand the fundamentals of lubrication
- L1 Understand basic electricity
- L1 Use lifting equipment
- L1 Perform a minor service to a heavy duty vehicle
- L1 Fuse metals
- L2 Understand the fundamentals of heavy duty vehicle technology
- L2 Identify bushes and bearings and remove, inspect and replace bearings
- L2 Remove and replace heavy duty vehicle engine and subsystems
- L2 Remove and replace heavy duty vehicle transmissions and drive train components
- L2 Remove, assess and replace heavy duty vehicle low pressure fuel system components
- L2 Remove, assess and replace heavy duty vehicle exhaust system components
- L2 Remove, assess and replace heavy duty vehicle cooling system components
- L2 Remove and replace heavy duty vehicle suspension and steering systems
- L2 Understand and perform wheel balancing and alignment on a heavy duty vehicle
- L2 Understand and test HDV starting system components
- L2 Understand, test and repair heavy duty electrical components

- L2 Understand the fundamentals of heavy duty vehicle brake systems
- L3 Remove, assess, recondition and replace heavy duty vehicle cylinder heads
- L3 Disassemble, recondition and assemble the engine block and its main components
- L3 Understand, assess, repair and assemble heavy duty vehicle fuel injection components
- L3 Understand basic electronics
- L3 Understand, assess and service a heavy duty vehicle turbocharging system
- L3 Assess and repair heavy duty vehicle (HDV) brake systems and components and diagnose faults
- L3 Assess and repair heavy duty vehicle (HDV) steering and suspension systems
- L4 Understand specialised fuel injection systems and diagnose and rectify faults on heavy duty vehicle engines
- L4 Understand the operation of, diagnose and repair heavy duty vehicle transmissions
- L4 Diagnose faults on heavy duty vehicle steering and suspension systems
- L4 Understand, assess and repair drive line components
- L4 Identify, understand and repair heavy duty vehicle (HDV) auxiliary and engine management systems