

## Assessment Requirements

### Unit HV0506K – Knowledge of Inspecting Heavy Vehicles

#### Content:

#### Different types of heavy vehicle inspection

- a. Types of inspection:
  - i. pre-purchase / pre-delivery
  - ii. pre-MOT inspection
  - iii. scheduled safety inspections
  - iv. daily vehicle checks
  - v. pre-rental / post rental inspections

#### Vehicle inspections and maintenance records

- b. The purpose and scope of the different types of vehicle inspection.
- c. Vehicle inspection techniques for different types of inspection including:
  - i. systematic inspections
  - ii. aural
  - iii. visual and functional assessments on engine
  - iv. engine systems
  - v. chassis systems
  - vi. wheels and tyres
  - vii. transmission and driveline system
  - viii. electrical and electronic systems
  - ix. exterior vehicle body
  - x. vehicle interior
- d. The procedure for inspection of the vehicle for damage, corrosion, fluid leaks, wear, security, mounting. Security and condition to include;
  - i. engines and engine systems
  - ii. chassis systems
  - iii. brakes
  - iv. transmission and driveline
  - v. steering
  - vi. suspension
  - vii. wheels
  - viii. tyres
  - ix. body panels (structural and non-structural)
  - x. electrical and electronic systems and components
  - xi. vehicle seating and vehicle interior
  - xii. instruments
- e. Preparation and use of appropriate inspection equipment and tools including:
  - i. emission testing
  - ii. brake testing
  - iii. headlamp alignment
  - iv. wheel alignment
  - v. torque setting
  - vi. specialist diagnostic equipment
  - vii. tyre tread depth gauges
- f. Inspection procedures following inspection checklists.
- g. Checking conformity to manufacturer's specifications and legal requirements.
  - i. workshop manuals
  - ii. heavy goods vehicle inspection manual

- h. Testing and operation of vehicle systems and vehicle condition including workshop based tests and road tests.
- i. The completion and maintenance of:
  - i. documentation
  - ii. defect reports
  - iii. inspection records
  - iv. job cards
  - v. vehicle records
- j. Make recommendations based on results of vehicle inspections.
- k. The implications of not carrying out vehicle inspections correctly including:
  - i. legal aspects (impact on Operator Licence)
  - ii. safety aspects
  - iii. financial aspects
  - iv. customer retention
  - v. customer relationships

**The need for vehicle protection prior to carrying out vehicle inspection**

- l. Protection relating to:
  - i. vehicle body panels
  - ii. paint surfaces
  - iii. seats
  - iv. carpets and floor mats
- m. Checks to be made following maintenance and repair:
  - i. vehicle body panels
  - ii. paint surfaces
  - iii. seats
  - iv. carpets and floor mats