

A57

Dump Truck – Rigid Chassis

Intermediate Certificate

Unit A57	Dump Truck – Rigid Chassis
	Up to 15 tonne (Option A)
	Up to 50 tonne (Option B)
	All sizes (wheeled) (Option C)
	Tracked (Option D)

Learning outcomes

On completion of this unit, the candidate will be able to:

1. Identify the basic construction, purpose and function of components and the purpose and use of all controls and gauges.
2. Identify and comply with manufacturers' instructions in accordance with the operator's handbook, other information sources and applicable legislation.
3. Carry out pre-use and running checks.
4. Set the dump truck for site and road travel.
5. Travel the dump truck over differing types of terrain, including rough undulating ground, in a loaded and unloaded state.
6. Travel up and down substantial inclines in a loaded and unloaded state.
7. Manoeuvre in confined areas using forward and reverse direction, in a loaded and unloaded state.
8. Position the dump truck to receive loads.
9. Explain precautions to be taken for overhead services and other hazards.
10. Comply with loading procedures.
11. Ensure load integrity and security.
12. Discharge loads into trenches or over edges.
13. Place the dump truck in an out-of-service condition.
14. Explain the loading and unloading procedures on and off a transporter.

Evidence requirements

To achieve the learning outcomes the candidate must complete a theory test and a practical test.

Practical Test

A. Equipment specification

1. Serviceable rear tipping rigid chassis type dump truck being tracked or wheeled, which meets current legislation, with the operator's manual.
2. A means of loading the dump truck i.e. loader, excavator, conveyer.
3. A designated unloading area, being a trench or an edge, at least 1 metre deep and a minimum of 3 x the width of the dump truck in length, with appropriate edge protection.
4. A driving area which must include:
 - a) uneven, rough terrain
 - b) a slope(s) not less than 18% (1:5.5) incline, at least 10 metres in length with sufficient manoeuvring room at the top and bottom
 - c) a straight run for at least the length as described in 'exercise specification' – item 5.
5. Cones/materials etc., to create restrictions for travelling and manoeuvring.

B. Exercise specification

The candidate is required to:

1. Carry out full pre-start and running checks as required by the manufacturer.
2. Prepare the dump truck for travel, and drive to the loading area to be loaded.
3. When fully laden, travel to the unloading area. The route must include:
 - a) passing through a restriction being no more than the width of the dump truck plus 800 mm, in a forward and reverse direction
 - b) stopping and restarting on an incline in the up direction
 - c) stopping and restarting on an incline in the down direction
 - d) stopping on an incline in the down direction and restarting in the opposite direction for a minimum distance of 5 metres
 - e) travelling over uneven, rough terrain.
4. Discharge the material into the excavation or edge. A minimum of three loads must be undertaken. Each load should be adjacent to the previous tipping point.
5. With one load, reverse the dump truck in a straight line for the specified minimum distance as stated below. At the end of the run pass through a restriction being no more than the width of the dump truck plus 1 metre (2 metres for dump trucks over 50 tonne):
 - a) Dump trucks up to 50 tonne – 50 metres
 - b) Dump trucks over 50 tonne – 75 metres.
6. Travel to a park position, shut down and secure.

The practical test is marked using the Operator Assessment Form (sections A and B). The candidate must also complete a theory test paper which is centrally set by Lantra Awards and marked by the assessor. For this unit, there is a maximum of 30 marks available and the pass mark is 80% (24 or more marks for correct answers) for Option A and B and 35 marks available and the pass mark is 80% (28 or more marks for correct answers) for Options C and D. The theory test mark is entered on the Operator Assessment Form (section C). Candidates must pass all three sections to achieve the unit.