

Technical Test Theory

Dump Truck - Rigid Chassis A57



No.	Question
1	Before leaving the cab for a rest break, after parking and switching off the machine, what final action must be carried out?
2	Why must the seat belt be worn at all times, even with the cab door closed?
3	Give THREE possible reasons why dump trucks should not stray off the designated haul routes.
4	a) What determines the minimum distances that any part of plant and machinery has to be kept from over head electricity lines and b) explain why a distance should be kept.
5	If the operator has to top-up the hydraulic oil, state TWO precautions to ensure cleanliness of the system.
6	An operator has been asked to transport materials from one site to another using the public highway, for which the Road Traffic Act applies. What effect can this have on this activity?
7	What is the definition of, or how can a hazard be described?
8	If fitted, name the purpose of having independent front suspension.
9	Using the Operator's Manual, state the figure for tyres' operating pressure. For tracked units, state checks needed to be made to the track belts. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.
10	What is the meaning of this hand signal (being demonstrated by the Tester)?
11	Name THREE conditions that mirrors on the machine must be in.
12	When would the body safety strut or support be used?

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No.	Question
13	Why do most dump trucks have a sloping body tail?
14	How can a qualification or card benefit a plant operator?
15	a) Give ONE advantage and b) TWO disadvantages of rear-mounted cameras.
16	a) Why should the body of the dump truck be raised slowly/carefully especially with wet or sticky material and b) what would be a consequence if this was not done?
17	The operator is asked to tip material into a new trench. State FIVE different requirements that must be considered or implemented before tipping commences.
18	The function or job role of a dump-truck operator when transporting loads is to?
19	Name THREE ways in which an operator can minimise their impact upon the environment whilst using the machine.
20	Give TWO reasons why the dump truck operator should have an understanding of the type of spoil being transported.
21	What is regarded as the most productive position for the dump truck to be in when being loaded by a wheeled loading shovel working from a stockpile?
22	When working in a confined area or space, name THREE hazards that can occur.
23	Operators should lower the body fully before driving away. Give TWO possible consequences if this is not carried out.
24	Name FOUR different types or levels of disciplinary actions or sanctions that can be applied (by employers and judicial bodies) to operators of plant who do not comply with, or follow legislation and regulations.

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No.	Question
25	List SIX typical subject areas that should be covered in a site induction.
26	Why should tail gates not be fitted when transporting bulky or rock-type material?
27	a) What is the minimum distance allowed near open trenches when travelling with a dump truck and b) explain why?
28	Give TWO examples of where The Work at Height Regulations may apply to dump trucks.
29	What is a possible consequence of using a tyre with a deep cut in the sidewall?
30	a) State the purpose of a retarder and b) the possible consequences of not using it when required.
31	What is the purpose of a risk assessment?
32	a) Name THREE purposes of the raised lugs on tyres and b) what can happen to a dump truck if the lugs are severely worn?
33	What THREE main duties of the Health and Safety at Work Act must employees follow?
34	When parking the machine at the end of the shift, name THREE places where the dump truck should NOT be parked.
35	What is the purpose of a ROPS cab?
36	If a load has to be tipped on a slope, what may happen if the load is tipped downhill and why?

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37	<p>If the machine is being travelled or working on the public highway, the Road Traffic Act applies.</p> <p>a) What type of licence and which class should the operator hold and b) what is the minimum age allowed?</p>
38	<p>What problems and hazards can soft ground cause to a loaded dump truck?</p>
39	<p>What are the possible outcomes of facing prosecution for not complying with legislation and regulations?</p>
40	<p>Whenever possible, who should decide the positioning of the dump truck for loading?</p>
41	<p>Why are plant operators generally regarded as 'safety-critical' workers?</p>
42	<p>a) What is the purpose of a Method Statement and b) what is required of the operator?</p>
43	<p>If the operator has loaded the machine onto a transporter/trailer on behalf of a driver, state THREE actions that must be carried out before they leave the machine.</p>
44	<p>Name THREE ways that a plant operator can contribute in ensuring repeat business with the client or principal contractor.</p>
45	<p>If checking the oil level using a dipstick, why must gloves be worn?</p>
46	<p>Who should determine the maximum load that should be placed into the body of the dump truck?</p>
47	<p>When travelling on wet clay, what effect does this have on the dump truck?</p>
48	<p>A dump truck is classified by a manufacturer as a 60-tonne machine. What does this mean?</p>

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49	What does the Health and Safety at Work Act require employers to do with regards specifically to plant?
50	Apart from the operator, who else may need to use the machine's Operator's Manual?
51	Using the Operator's Manual, state the cold-starting procedure for the machine. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.
52	Where should the dump truck's Operator's Manual be kept and why?
53	When tipping a load, the centre of gravity of the machine changes. a) How does this affect the dump truck and b) state TWO actions to avoid accidents.
54	During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.
55	On start up, the air pressure on the machine is low. What actions must the operator carry out before work and during work?
56	In what situation does a hard hat NOT need to be worn when operating a dump truck?
57	If setting up to work in a pedestrianised area, state THREE factors that need to be taken into account.
58	The operator has been asked to drive the machine onto a transporter/trailer. a) Who is responsible for the loading operations and b) state FOUR actions to be considered by the operator before loading commences?
59	Many dump trucks have a turbo-charged engine. a) What is the normal procedure before switching off the engine after working and b) what happens if the procedure is not followed?
60	Why should a dump truck be re-fuelled at the end of the day?

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61	State TWO requirements of using a stop block or earth bank (berm) at a trench discharging point.
62	The operator has to use a new type of dump truck that they are unfamiliar with. What do Regulations (i.e. PUWER 98) and other guidance require the operator to have?