

Technical Test Theory

Forward Tipping Dumper A09



No.	Question
1	What are the possible outcomes of facing prosecution for not complying with legislation and regulations?
2	What allows the wheels to follow the contours of the ground when travelling on uneven ground?
3	Why must the seat belt be worn at all times?
4	a) Name THREE purposes of the raised lugs on tyres and b) what can happen to a dumper if the lugs are severely worn?
5	If the machine is being travelled or working on the public highway, including adjacent pavements and verges, the Road Traffic Act applies. a) What type of licence and which class should the operator hold and b) what is the minimum age allowed?
6	What is the meaning of this hand signal (being demonstrated by the Tester)?
7	Larger dumpers use 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?
8	What may happen if the load is tipped onto a downward slope?
9	When would the skip safety strut or support be used?
10	Whenever possible, who should decide the positioning of the dumper when being loaded?
11	Discharging loads whilst moving is not considered best practice. Why would this be?
12	What problems and hazards can soft ground cause to a loaded dumper?

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No.	Question
13	What does the Health and Safety at Work Act require employers to do with regards specifically to plant?
14	If the operator has to top-up the hydraulic oil, state TWO precautions to ensure cleanliness of the system.
15	Where should the dumper's Operator's Manual be kept and why?
16	During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.
17	Apart from the operator, who else may need to use the machine's Operator's Manual?
18	State TWO requirements of using a stop block or earth bank (berm) at a trench discharging point.
19	In what situation does a hard hat NOT need to be worn when operating a forward tipping dumper?
20	On articulated dumpers, steering is achieved by actuating a hydraulic ram which is controlled by turning the steering wheel. a) How does the engine supply the oil flow and b) what happens to the steering when the engine stops?
21	Give TWO reasons why the dumper operator should have an understanding of the type of spoil being transported.
22	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.
23	a) What is the purpose of a Method Statement and b) what is required of the operator?
24	A dumper is classified by a manufacturer as a six-tonne dumper. What does this mean?

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25	Operators should lower the skip fully before driving away, particularly on swivel skips. Give TWO possible consequences if this is not carried out.
26	Why do high tip dumpers need particular care when tipping?
27	Name THREE problems that could occur if the skip is overloaded with a dense/ compacted material.
28	Why should a dumper be re-fuelled at the end of the day?
29	The operator has to use a new type of dumper, i.e. swivel skip that they are unfamiliar with. What do Regulations (i.e. PUWER 98) and other guidance require the operator to have?
30	If considering to use the dumper to transport a wide load, what needs to be taken into account?
31	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.
32	Who should determine the maximum load that should be placed into the skip of the dumper?
33	If setting up to work in a pedestrianised area, state THREE factors that need to be taken into account.
34	What is the purpose of a roll or ROPS frame?
35	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.
36	How can a qualification or card benefit a plant operator?

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No.	Question
37	What is the purpose of a risk assessment?
38	a) What is the minimum distance allowed near open trenches when travelling with a dumper and b) explain why?
39	What is a possible consequence of using a tyre with a deep cut in the sidewall?
40	Using the Operator's Manual, state the figure for tyres' operating pressure. For tracked machines, what specific checks must be made to the track belt? Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.
41	Why are plant operators generally regarded as 'safety-critical' workers?
42	Most site dumpers have the engine at the rear. State the main reason for this.
43	When travelling on wet clay, what effect does this have on the dumper?
44	Name THREE ways that a plant operator can contribute in ensuring repeat business with the client or principal contractor.
45	The operator is asked to tip material into a new trench. State FIVE different requirements that must be considered or implemented before tipping commences.
46	How is it possible that a dumper can still tip over when travelling on a gentle gradient, even if it is not overloaded and not being driven at excessive speed?
47	List SIX typical subject areas that should be covered in a site induction.
48	Give FOUR reasons that may cause the dumper to tip over sideways during travel.

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49	When working in a confined area or space, name THREE hazards that can occur.
50	When parking the machine at the end of the shift, name THREE places where the dumper should NOT be parked.
51	If checking the oil level using a dipstick, why must gloves be worn?
52	Name THREE ways in which an operator can minimise their impact upon the environment whilst using the machine.
53	What THREE main duties of the Health and Safety at Work Act must employees follow?
54	When working in a confined area or space what danger can be present with an articulated dumper with regards to steering?
55	When forward tipping a load, the centre of gravity of the machine changes. a) What effect does this have on the dumper and b) state TWO actions to avoid accidents?
56	Before leaving the dumper for a rest break, after parking and switching off the engine, a) what final action must be carried out and b) why?
57	The operator has been asked to drive the dumper 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.
58	Give TWO reasons for using a swivel skip dumper over a conventional forward tipping skip.
59	What is the definition of, or how can a hazard be described?
60	Manufacturers must give recommendations on how to travel a dumper up and down inclines. If this information is not known first hand, what is the general rule about travelling up and down slopes?

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61	The function or job role of a dumper driver, when transporting materials, is to?