

Technical Test Theory

A36 Lorry Loader



No.	Question
1	Which parts of the lorry loader is the radius (for lifting) measured from?
2	If using a lorry loader from a fixed-position operating station, what should be ensured for the safety of the operator?
3	a) When is a trial lift carried out and b) name THREE checks to be made?
4	a) What is the minimum distance allowed near open trenches when travelling the lorry loader on a site and b) explain why?
5	If fitting an extension to the lorry loader, why is it important that the manufacturer's procedures are followed precisely?
6	On a construction site with a hard hat requirement, in what situation does a hard hat NOT normally need to be worn on site when using a lorry loader?
7	a) What is meant by the lifting capacity of the lorry loader and b) who determines it?
8	List SIX typical subject areas that should be covered in a site induction.
9	For vehicles that normally exceed 3 metres in height, what type of warning device must be fitted as a minimum and where?
10	Name TWO things that happen if a load is not lifted vertically.
11	What is the main purpose of the Rated Capacity Indicator (RCI)?
12	Why are those who operate lorry loaders generally regarded as 'safety-critical' workers?
13	Prior to placing loads on to the vehicle bed, explain FOUR items to be taken into account.
14	If setting up to work near a bank, what is the recommended minimum distance between the stabilisers and the top of the bank?
15	a) Which part of the lorry loader applies loading or pressure to the ground and b) name TWO ways that pressure can be reduced.
16	Name THREE ways in which an operator can minimise their impact upon the environment whilst using the machine.
17	If a load is slewed at too high a speed for its size, what TWO factors must the operator take into account?
18	Name THREE possible underground hazards which may affect the stability of the vehicle during lifting operations.
19	Name THREE ways in which wind speed can affect the lifting operation.
20	If the words STOP NOW are given to the crane operator by radio during the lift, what action must the operator take?

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21	During the lifting operation, part of the task cannot be carried out as detailed in the lift plan. a) What initially must happen to the lifting operation and b) who authorises any changes?
22	State the functions or job role of the following personnel: a) appointed person, b) crane supervisor, c) slinger, d) signaller.
23	After unloading brick and block type material from the vehicle bed, what action should the operator carry out before re-joining the public highway?
24	If setting up to lift loads in a pedestrianised area, state THREE factors that need to be taken into account.
25	The safe working load or working load limit (SWL/WLL) of a multi-leg chain sling only applies in what TWO conditions or configuration?
26	a) What is meant by a 'knuckle-boom' crane and b) what advantage do they have over straight boom cranes?
27	Name FOUR attachments that may be fitted to a lorry loader.
28	If using the help of an assistant when the operator has limited visibility of the landing area, what must be ensured if hand signals are to be used?
29	a) What is the purpose of a Method Statement and b) what is required of the operator?
30	What is the purpose of a risk assessment?
31	If checking the oil level using a dipstick, why must gloves be worn?
32	If a load has to be held suspended, what must the operator do?
33	What is the meaning of this hand signal (being demonstrated by the Tester)?
34	The operator has to use a new attachment that they are unfamiliar with. What do Regulations (i.e. LOLER 98) and other guidance require the operator to have?
35	Where should the Operator's Manual be kept and why?
36	What are the possible outcomes of facing prosecution for not complying with legislation and regulations?
37	Prior to travelling the machine on the public highway, describe four items to be taken into account when planning a route.
38	When slewing with a load, where should the operator be looking?
39	What information must be found on the loader's rating plate?
40	What are the THREE actions or stages that a lorry-loader operator undertakes during pre-use inspections?
41	Where the loader crane cannot be folded, e.g. when bucket- or clamshell-equipped, what TWO checks must be carried out before the vehicle re-joins the public highway?

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AN NOCN JOB CARD

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42	If the lorry-loader host commercial vehicle is being used on the public highway, the Road Traffic Act applies. a) What type of licence and which classes should the operator hold and b) what is the minimum age allowed?
43	Name THREE ways that a lorry-loader operator can contribute in ensuring repeat business with the client or principal contractor.
44	A lorry loader is working in the vicinity of another crane, encroaching on its operating radius. What actions need to be taken?
45	What checks should be made to the transmitter of a remote-controlled loader before work?
46	What makes up the total (or gross) weight of a load that is to be lifted?
47	Using the Operator's Manual, state the hydraulic tank oil capacity OR oil type. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.
48	Although not best practice, state the possible effect of lifting a load downhill on a slope.
49	How can a qualification or card benefit a lorry-loader operator?
50	Who only can authorise partial stabiliser extensions and b) what is the effect on lifting capacity if partially extending the outriggers?
51	What information is needed when estimating the weight of a load?
52	During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.
53	Give TWO examples of where The Work at Height Regulations may apply to lorry-loader operations.
54	What is meant by centre of gravity, or how is the centre of gravity determined, on a load to be lifted?
55	Describe FIVE factors to be taken into account when planning a lift.
56	What are the THREE actions that should be undertaken during pre-use inspections on lifting accessories?
57	What is the definition of, or how can a hazard be described?
58	What THREE main duties of The Health and Safety at Work Act must employees follow?
59	Name THREE places where the vehicle should NOT be parked after completion of the lifting operation.
60	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.
61	Using the Operator's Manual, state which components may need greasing. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.
62	Before leaving the cab for a rest break, after parking and switching off the vehicle, what final action must be carried out?
63	As stamped on lifting accessories, what do the letters SWL signify?
64	a) What should be fitted to the hook of a lorry loader and b) why?

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65	Before re-joining the public highway after completing work, what check must be made to the stabilisers?
66	Give FOUR reasons that may cause the lorry loader to overturn.
67	Polyester webbing slings normally are coloured and have black lines. What do the different colours and number of lines indicate?
68	What is the purpose of stabilisers on the lorry loader?
69	What does The Health and Safety at Work Act require employers to do with regards specifically to plant?
70	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.
71	What is the function of a motion limiter?
72	Apart from the operator, who else may need to use the machine's Operator's Manual?
73	How does the fitting of a clamshell bucket or hydraulic grab affect the lifting capacity of the loader crane.
74	Only two legs of an 8 tonne four-legged chain sling are being used. What is the maximum load that can be lifted?