

Skid Steer Loader

A23

Technical Test – Theory

Roles and responsibilities	1. What is the definition of, or how can a hazard be described?
	A
	2. What is the purpose of a risk assessment?
	A
	3. List SIX typical subject areas that should be covered in a site induction.
	A
	4. What THREE main duties of The Health and Safety at Work Act must employees follow?
	A
	5. What does The Health and Safety at Work Act require employers to do with regards specifically to plant?
	A
	6. a) What is the purpose of a Method Statement and b) what is required of the operator?
	A
	7. Name FOUR different types or levels of sanctions that can be applied (by employers and judicial bodies) to plant operators who do not comply with, or follow legislation and regulations.
	A
	8. Plant operators are generally regarded as 'safety-critical' workers. What does this mean?
	A

continued...

Roles and responsibilities continued	9. Name THREE ways in which an operator can minimise their impact upon the environment whilst using the machine.
	A
	10. In what situation does a hard hat NOT need to be worn when operating a skid steer?
	A
	11. The operator has to fit and use a new attachment using a quick-hitch coupler that they are unfamiliar with. What do Regulations (i.e. PUWER 98) and other guidance require the operator to have?
	A
	12. What are the possible outcomes if being prosecuted (by judicial bodies) for not complying with legislation and regulations?
	A
	13. How can a qualification or card benefit a plant operator?
A	
Preparing for work	14. Name THREE ways that a plant operator can contribute in ensuring repeat business with the client or main contractor.
	A
	15. Where should the Operator's Manual be kept and why?
	A
	16. Name THREE attachments that are available for a skid steer.
A	
	17. If the operator has to top-up the hydraulic oil, state TWO precautions to ensure cleanliness of the system.
	A

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Preparing for work continued	For questions 18 and 19 the Operator’s Manual for the machine being used for the test MUST be available for reference by the candidate
	18. Using the Operator’s Manual, state the figure for the tyres’ operating pressure.
	A
	19. Using the Operator’s Manual, state the cold-starting procedure for the machine.
	A
	20. Describe briefly how a (wheeled) skid steer ‘steers’ or changes direction.
	A
	21. If checking the oil level using a dipstick, why must gloves be worn?
	A
	22. How are skid steer bucket sizes calculated?
	A
	23. On pneumatic tyre equipped machines, what is a possible consequence of using a tyre with a deep cut in the sidewall?
	A
	24. What is the purpose of a roll or ROPS frame?
A	
25. Apart from the operator, who else may need to use the machine’s Operator’s Manual?	
A	
26. What is the purpose of the counterweight of the machine?	
A	
27. Skid steers may be equipped with a clamshell bucket. Name TWO functions of this type of bucket.	
A	

continued...

Preparing for work continued	28. During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.
	A
Travelling and manoeuvring	29. Why should a skid steer not be travelled if there is no attachment/bucket fitted to the loader arms?
	A
	30. How can a skid steer turn around within its own area?
	A
	31. An operator has been asked to carry some material down a small section of the public highway, for which the Road Traffic act applies. What are the implications for the operator and machine?
	A
	32. If the skid steer is being travelled or working on the public highway, including adjacent pavement and verges, 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?
	A
	33. Name THREE conditions that mirrors must be in, on the machine.
	A
	34. Why must the seat belt be worn, even within the confines of the cab?
	A
	35. What problems and hazards can soft ground cause to a loaded skid steer?
A	
36. a) Name THREE purposes of the raised lugs on tyres and b) what can happen to a skid steer if the lugs are severely worn?	
A	

Travelling and manoeuvring continued	37. When travelling on wet clay or rock, what effect does this have on the skid steer?
	A
	38. a) What is the minimum distance allowed near open trenches when travelling with a loaded skid steer and b) explain why.
	A
Setting up for work	39. Give FOUR reasons that may cause the skid steer to tip over sideways.
	A
	40. Whenever possible, who should decide the positioning of the vehicle to be loaded?
	A
	41. Explain ALL visual checks that must be carried out on all types of quick-hitch bucket attaching systems before use.
	A
	42. On a semi-automatic quick-hitch bucket attaching system: a) what is the purpose of the safety pin and b) what checks MUST be made to the pin before use?
	A
	43. Describe ONE physical method of checking that the attachment is fully secured to the coupler prior to work.
	A
44. If setting up to work in a pedestrianised area, state THREE factors that need to be taken into account.	
A	
45. What is regarded as the most productive position for the vehicle to be loaded to be in when being loaded by a skid steer working from a stockpile?	
A	

continued...

Setting up for work continued	46. Before manually changing any bucket: a) where should the bucket be positioned (in relation to the ground) before removing the final pin and b) why?
	A
	47. Give TWO reasons why the skid steer operator should have an understanding of the type of material being loaded.
	A
Working tasks	48. When working in a confined area or space: a) what danger can be present with regards to the rear of the machine, b) what is the recommended minimum distance and c) what measures must be implemented if the gap is less?
	A
	49. The operator is asked to tip material into a trench. State FIVE different requirements that must be considered or implemented before tipping commences.
	A
	50. Why should different materials be segregated during extracting?
	A
	51. Who should determine the maximum load that should be placed into a load transporting vehicle?
	A
	52. On non-self levelling buckets, what problem can occur if a fully loaded bucket is raised to full height?
	A
53. If a load has to be tipped on a slope, what may happen if the load is tipped downhill and why?	
A	
54. When working in a confined area or space, name THREE hazards that can occur.	
A	

continued...

Working tasks continued	55. a) What is the recommended minimum distance to be kept away from overhead power lines mounted on wooden poles when tipping loads and b) explain why a distance should be kept.
	A
	56. State TWO requirements of using a stop block or earth bank (berm) at a trench discharging point.
Working tasks continued	A
	57. When constructing a ramp to load a small crusher, name THREE considerations to take into account.
	A
Completing work	58. If access or egress to/from the cab has to be via the front of the machine, state two precautions to be observed before exiting the machine.
	A
Completing work	59. Before leaving the cab for a rest break, after parking and switching off the machine, what final action must be carried out?
	A
Shutdown	60. When parking the machine at the end of the shift, name THREE places where the machine should NOT be parked.
	A
	61. 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.
	A
	62. If the operator has loaded the machine onto a transporter/trailer on behalf of a driver, what checks must be carried out before they leave the cab?
	A
Shutdown	63. Why should a skid steer be re-fuelled at the end of the day?
	A