

Roller Questions - Verification of Competency (VOC)

Version 1. 15.08.2020

*Required

1. Email address *

IMPORTANT

Please complete all sections below, otherwise paperwork cannot be processed.

2. Operators Name *

3. Operators Address *

4. Operators Phone Number *

5. Location *

6. Trainers Name

Mark only one oval.

- Stewart Khouri
- Claudio DiMattia
- Jarred Holmes
- Anthony Garard
- Matthew Khouri
- Ashley Redman
- Stephanie Redman

7. Reason for obtaining VOC

Mark only one oval.

- Operator employed by a company who requires a VOC
- Operator who works for themselves and contracts to companies requiring a VOC
- Operator currently looking for employment.

8. Employer or company name: *

9. What type of work do you currently, or will be required to complete with an excavator for this employer/contract?

10. Date of assessment *

Example: 7 January 2019

VOC Guidelines

Verification of Competency - Excavator VOC Guidelines

Persons operating plant must be able to demonstrate that they have the necessary competency and skill to safely operate plant machinery on the jobsite within their scope of employment.

To achieve competency the operator must complete a number of questions and practical tasks. Tasks may vary due to environmental constraints and worksite circumstances, but will be relevant to current employment and check relevant skills.

After completing both the Written/Oral and practical assessment, operators will either be found 'Competent' (C) or 'Not yet competent' (NYC)

Once the operator has been deemed competent a Verification of Competency (VOC) card will be issued. Persons may then only operate that particular type of plant. The plant type(s) will be listed on the card.

If you feel you have been unfairly treated, you have the right to appeal the Assessors decision, by speaking to your supervisor or authorised person on site.

This VOC document is for company internal verification of contractors and employees on specific machinery only and is not mapped to RII National Course standards. MSK Resources or its representative has been employed to complete this VOC and is therefore acknowledged as meeting the company's policies around competency assessment in their workplace.

PART 1 - ORAL / WRITTEN ASSESSMENT

Verification of Competency - Excavator

11. What should be the first check of your machine at the start of you shift? 1 point

Mark only one oval.

- a) Walk around it looking for visual defects.
- b) Check to see if the keys are in it.

12. When changing a battery, which clamp should be removed first? 1 point

Mark only one oval.

- a) The Positive
- b) Both Simultaneously
- c) The earthed battery clamp.

13. Why shouldn't the hydraulic oil storage tank be filled above the filled mark? 1 point

Mark only one oval.

- a) You should fill it above the mark. The Hydraulics is sped up by doing so.
- b) Space in the tank is needed for displacement in the system.

14. What should be provided on the roller to prevent the operator from being dislodged? 1 point

Mark only one oval.

- a) A safety belt.
- b) A harness attached to the back of the cab.

15. What action would you take with any structural defects you found while conducting an external check on the Roller? 1 point

Mark only one oval.

- a) Tell the Grader Operator.
- b) Report the defects to the supervisor or take action according to site procedures.

16. How do you check the air pressure of water filled tyres on a Roller? 1 point

Mark only one oval.

- a) Check with the valve at the top of the wheel for leaks and ensure it's in place.
- b) With an ordinary tyre pressure gauge.

17. Why should side hill travel be avoided? 1 point

Mark only one oval.

- a) The fuel pickup may not work and this could result in the Roller stalling.
- b) There is a greater risk of the Roller turning over with side hill travel.

18. What effect would a rough or stony surface have on the operating speed of the Roller? 1 point

Mark only one oval.

- a) The safe operating speed of the Roller is decreased.
- b) Over rough terrain the Roller operates more efficiently going faster.

19. What is the danger of Rolling near the edge of unconsolidated fill? 1 point

Mark only one oval.

- a) No danger. Rollers are designed for this purpose.
- b) The edge fill may collapse. The Roller could roll over.

20. In the likelihood of the Roller being overturned, what must be provided on a Roller to protect the operator? 1 point

Mark only one oval.

- a) A Hard Hat and a Safety Vest
- b) A prayer book and a 2way Radio.
- c) A Roll Over Protective Structure and Safety belts.

21. Which is the preferred route of travel down a sloping surface? 1 point

Mark only one oval.

- a) Directly down the sloping surface
- b) Diagonally across the sloping surface.

22. During the Pre Start check you notice a bulge form in a Hydraulic Hose. What do you do? 1 point

Mark only one oval.

- a) Tell the Grader Operator.
- b) Call the manufacturer at smoko.
- c) Switch off the machine and have the hose replaced by a qualified mechanic / fitter.

23. When should tests, checks and inspections on the Roller be made by the operator? 1 point

Mark only one oval.

- a) When there is nothing else to do, or at the end of your shift.
- b) Only a qualified mechanic /fitter should check the Roller.
- c) Daily, before use.

24. What action do you take with damage and defects you find on the Roller? 1 point

Mark only one oval.

- a) Report the defect to the supervisor immediately. Refrain from using if danger exists.
- b) Keep working, but be extra careful. Remember to tell the supervisor later.

25. When using a Vibratory Roller, what procedure should you adopt for the first run against the kerb on uncompacted soil? 1 point

Mark only one oval.

- a) Use the Vibrator at half engine revs.
- b) Slowly, and without the vibrator on.

26. In relation to the weight of a Roller, what advantage does a Vibratory Roller have? 1 point

Mark only one oval.

- a) Greater compaction ability for its weight.
- b) It keeps you from falling asleep.

27. What happens when you leave the vibrator on while the Roller is stationary on soil? 1 point

Mark only one oval.

- a) The vibrator automatically turns off when the Roller is stationary.
- b) The Roller will vibrate itself into the soil.

28. Which of the following directions should Rolling be performed on a large sloping surface? 1 point

Mark only one oval.

- a) In the same direction as other machinery in the immediate area.
- b) Diagonally across the sloping surface.
- c) Up and down the sloping surface.

29. Is it permissible to carry passengers on a Roller? 1 point

Mark only one oval.

- a) No.
- b) Yes, only for training purposes.

30. Is it okay to leave a Roller engine running while unattended? 1 point

Mark only one oval.

- a) No.
- b) Yes, to cool the motor down.

31. On a road or Haul road, where should the Rolling commence from? 1 point

Mark only one oval.

- a) The left side.
- b) The right side of crown.
- c) The kerb side

32. Before reversing a Roller, what precaution should you take? 1 point

Mark only one oval.

- a) Ensure the travel direction is clear. Sound horn 3 times.
- b) Get out and have a good look around. Tell everyone you are about to reverse.

33. What pattern should be adopted for the runs on a road? 1 point

Mark only one oval.

- a) A criss cross pattern.
- b) The runs should not overlap the previous run.
- c) The runs should overlap the previous run.

34. When can you coast the Roller downhill? 1 point

Mark only one oval.

- a) When the boss isn't around and you are in a hurry.
- b) When you need to pick up speed.
- c) Never.

35. When Rolling with a vibratory Roller, what should be done before stopping the Roller? 1 point

Mark only one oval.

- a) Turn off the vibrator.
- b) Turn off the radio. Sound the horn twice.

36. At what angle should you Roll the edge of a road? 1 point

Mark only one oval.

- a) As close as you can safely get. But not more than a 45 degree angle.
- b) The preferred angle to rolling an edge of a road is at a 90 degree angle.

37. When travelling, what do you do before travelling down a steep grade? 1 point

Mark only one oval.

- a) Call everyone on UHF and warn them to stay back.
- b) Sound the horn and go as fast as the Roller can go.
- c) Assess the grade. Reduce speed with service brake and select appropriate gear.

38. What action should you take if a Hydraulic Hose sprung a leak? 1 point

Mark only one oval.

- a) Spill Kit. Have the hose replaced by a qualified mechanic /fitter.
- b) Tell the Grader Operator.

39. What should you do if a Vibratory Roller you were operating near a bank started to slide? 1 point

Mark only one oval.

- a) Steer the Roller down the bank. Warn others on UHF.
- b) STOP the vibrator and idle the engine. Get help if unable to reverse or drive out

40. What does the term "One Pass" refer to in regards to operating a Roller? 0 points

Mark only one oval.

- a) Up only on a compacted strip.
- b) Up and back on the same compacted strip.
- c) Up and back twice on a compacted strip waving to personnel as you pass them.

41. What is the procedure for engine start up on a cold Roller? 1 point

Mark only one oval.

- a) Select working speed range.
- b) Select Rabbit or Travel speed.
- c) Select low engine RPM.

42. How do we know we have reached the point of over compaction? 1 point

Mark only one oval.

- a) The drum will start to bounce.
- b) The engine will begin to labour.
- c) The Grader Operator will let you know.

43. When a Roller is operating with the Vibration system on? 1 point

Mark only one oval.

- a) Always select High Amplitude.
- b) Run the engine at full operating RPM.
- c) Ensure you are wearing your safety belt and reverse camera is on.

44. Why do we 'seal off' a job at the end of the day? 1 point

Mark only one oval.

- a) To ensure moisture or rain cannot enter the compacted surface.
- b) To prevent vehicle tyres rutting the surface.
- c) Because it is a good way to wind down and finish your shift.

45. What Post Operational checks should be carried out by the operator of the Roller so it can be ready to be re-operated? 1 point

Mark only one oval.

- a) Not your problem. Your shift is over.
- b) Deodorise the cabin.
- c) Check for structural damage, defects and wear. Check oil, fuel and water levels.

46. Should the key be removed from the ignition? 1 point

Mark only one oval.

- a) Yes. The next operator has his own key.
- b) No. In case it gets lost.
- c) Yes. To prevent unauthorised movement or repairs

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