



TRAINING AND PROJECTS

"making your skills a priority"

Course Title: Operate a Roller

SAQA ID: 262805

NQF Level: 2

Credits: 5

Course Description:

This course provides training in the operation of a roller, a machine commonly used in road construction and site preparation to compact soil, asphalt, and other materials. Learners will gain practical skills in conducting equipment checks, controlling the roller, applying compacting techniques, and following safety protocols essential for efficient and safe roller operation.

Course Objectives:

By the end of this course, learners will be able to:

- Perform pre-operational checks and basic maintenance on a roller.
- Operate a roller in various construction and site environments.
- Apply effective compaction techniques to achieve specified density and smoothness.
- Follow health and safety guidelines to minimize risks on site.

Benefits of Completing this Course:

- Acquire specialized skills in operating a roller, enhancing job prospects in construction and roadwork.
- Obtain a recognized qualification that validates operational competency.
- Gain practical knowledge in safe handling, maintenance, and compaction techniques.
- Increase awareness of site safety, load management, and environmental considerations.

Who Should Attend:

- Construction and roadwork personnel responsible for site preparation.
- Heavy equipment operators looking to expand their skills.
- Workers aiming to gain certification for roller operation.

Assessment:

Assessment will be based on the learner's ability to:

- Conduct pre-operational inspections and maintenance.
 - Demonstrate roller operation in various scenarios.
 - Apply effective compaction techniques and safety procedures.
 - Participate in practical assessments, including scenario-based exercises.
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Specific Outcomes and Assessment Criteria:

By successfully completing this SAQA Unit Standard, learners will demonstrate competency in the following:

1. Conduct Pre-Operational Inspections and Basic Maintenance of the Roller:

- Inspect key components such as hydraulics, roller drums, and controls.
- Perform routine maintenance checks and report any identified issues.
- **Assessment Criteria:** Practical assessment of inspection and maintenance tasks.

2. Operate the Roller Safely and Efficiently in Different Work Environments:

- Manoeuvre the roller through uneven terrains and confined areas.
- Apply safe compaction methods to achieve the required density and surface finish.
- **Assessment Criteria:** Observation of manoeuvring skills and compaction effectiveness.

3. Apply Load Management and Compaction Techniques:

- Maintain load stability and ensure consistent surface compaction.
- Follow compaction specifications to achieve desired material density.
- **Assessment Criteria:** Practical demonstration of compaction techniques and load management.

4. Adhere to Site Safety Regulations and Hazard Controls:

- Follow all safety protocols, traffic rules, and site-specific instructions.
- Identify potential hazards and apply preventive measures.
- **Assessment Criteria:** Observation and evaluation of safety adherence and hazard management.

Completing this course equips learners with the skills required to operate a roller safely and proficiently, supporting productivity and quality in construction and roadwork environments.