



TRAINING AND PROJECTS

"making your skills a priority"

Course Title: Operate an Excavator

SAQA ID: 262744

NQF Level: 2

Credits: 15

Course Description:

This course provides essential training for individuals who wish to operate an excavator safely and efficiently in various environments. The program covers excavator functions, pre-operational checks, operating techniques, and safety protocols. The aim is to equip learners with the skills to handle an excavator responsibly, ensuring workplace safety and operational effectiveness.

Course Objectives:

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

- Conduct pre-operational inspections and regular maintenance for an excavator.
- Operate the excavator to perform digging, loading, and material-moving tasks.
- Follow industry safety standards and emergency procedures.
- Assess site conditions and manage load stability.

Benefits of Completing this Course:

- Develop practical skills for operating an excavator in construction and earthmoving.
- Improve job performance and safety in equipment operation.
- Enhance career prospects in construction, mining, and infrastructure sectors.
- Obtain a recognized qualification, supporting career advancement in heavy machinery operations.

Who Should Attend:

- Operators and workers in construction, mining, and landscaping industries.
- Supervisors overseeing excavator operations.
- Individuals seeking certification to operate an excavator.
- Those interested in advancing their skills in earthmoving equipment operation.

Assessment:

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

- Perform pre-operational and maintenance checks.
 - Demonstrate safe and effective excavation techniques.
 - Engage in practical exercises and discussions on load handling and safety practices.
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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 and Maintenance Checks on the Excavator:

- Inspect equipment for safety features, functionality, and operational readiness.
- Identify and report potential hazards or mechanical issues.
- **Assessment Criteria:** Practical assessment of pre-operational inspections and maintenance routines.

2. Safely Operate the Excavator:

- Control the excavator with precision to dig, move, and load materials.
- Navigate different terrains and site conditions effectively.
- **Assessment Criteria:** Practical exercise demonstrating safe and efficient excavator operation.

3. Assess Load Stability and Manage Site Conditions:

- Analyse load balance, stability, and environmental factors affecting safety.
- Apply techniques for stable digging, loading, and material transport.
- **Assessment Criteria:** Practical assessment focused on load management and safe operation practices.

4. Implement Safety Standards and Emergency Protocols:

- Adhere to safety protocols to minimize operational risks.
- Respond to emergency situations effectively, including equipment malfunctions.
- **Assessment Criteria:** Group discussion and practical exercises on safety compliance and emergency procedures.

By completing this course, learners will gain the skills to operate an excavator safely and effectively, contributing to efficient workflow and enhanced safety on the job site.