



TRAINING AND PROJECTS

"making your skills a priority"

Course Title: Operate a Grader

SAQA ID: 262735

NQF Level: 2

Credits: 15

Course Description:

This course trains learners in the operation of a grader, a versatile piece of heavy equipment used in construction and road maintenance for levelling surfaces. The course covers pre-operational checks, safe operating techniques, and maintenance practices, with an emphasis on safety and productivity in various work conditions.

Course Objectives:

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

- Perform pre-operational inspections and basic maintenance on a grader.
- Operate a grader effectively to grade, level, and prepare construction sites.
- Understand and apply correct grading techniques for optimal site preparation.
- Follow safety guidelines to reduce hazards during grader operation.

Benefits of Completing this Course:

- Develop skills in operating a grader safely and efficiently.
- Enhance employment opportunities in construction, mining, and roadwork industries.
- Obtain a recognized qualification in heavy equipment operation.
- Contribute to safer, more efficient worksite practices through proper equipment handling.

Who Should Attend:

- Individuals employed in or aiming to work in construction, road maintenance, or site preparation.
- Heavy equipment operators wishing to expand their skill set to include graders.
- Workers tasked with site levelling, road grading, or related activities.

Assessment:

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

- Perform vehicle checks and maintenance on the grader.
 - Demonstrate effective operation of the grader in varied site conditions.
 - Show proficiency in grading techniques and adherence to safety protocols.
 - Participate in practical assessments and scenario-based activities.
-



TRAINING AND PROJECTS

"making your skills a priority"

Specific Outcomes and Assessment Criteria:

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

1. Conduct Pre-Operational Checks and Basic Maintenance on the Grader:

- Inspect critical components such as hydraulics, blade, tires, and controls.
- Perform routine maintenance checks and report issues.
- **Assessment Criteria:** Practical evaluation of inspection and maintenance tasks.

2. Operate the Grader Safely and Effectively in Different Conditions:

- Manoeuvre and control the grader in confined and open spaces.
- Perform accurate levelling and grading as per job requirements.
- **Assessment Criteria:** Practical demonstration of manoeuvring, levelling, and grading skills.

3. Apply Load Management and Levelling Techniques:

- Maintain control over load and blade to achieve even surfaces.
- Use appropriate techniques to avoid over-grading or under-grading.
- **Assessment Criteria:** Observation of load and levelling management skills.

4. Identify Hazards and Respond to Site Safety Requirements:

- Recognize operational hazards and implement preventive measures.
- Follow safety protocols and use PPE as required on-site.
- **Assessment Criteria:** Observation of safety compliance and hazard awareness.

Completing this course equips learners with practical skills and knowledge in grader operation, supporting productivity and quality in construction and road maintenance projects.