

## MQA SURFACE SKILLS PROGRAM – MQA/SP/0177/19

SAQA US ID	257028			<b>SPECIALISATION ELECTIVE</b>	
Unit Standard Title	Operate Tractor Loader Backhoe				
NQF Level	03	SGB	Mining and Minerals		
Credits	13	Notional Hours		130	
Duration	Candidate	Knowledge	Practical	Workplace	
	Novice	2 days	3 days	10 days/ 80 hrs	
	RPL (Re-fresher)	1-2 days	1-2 days	N/A	
	Re-certification	½ day	½ day	N/A	
Ratio of candidates to assessor	4:1		4:1	1:1	

**NOTE: MQA SKILLS PROGRAM RULES BEFORE A SOR (Statement of Results) CAN BE ISSUED:**

- All Cores need to be completed
- At least 1 Specialisation Elective
- At least 1 General Elective Unit Standard
- Additional 1 Day is required to conduct the Summative Practical Assessment after workplace exposure (logbook).

<b><u>PURPOSE OF THE COURSE</u></b>	<b><u>PRE-REQUISITES</u></b>
This unit standard will be useful to people who are responsible for operating the Tractor Loader Backhoe	<ul style="list-style-type: none"> <li>• Communication at NQF Level 2.</li> <li>• Mathematical Literacy NQF Level 2.</li> <li>• Certified copy of ID</li> <li>• Copy of learners Medical Certificate</li> </ul>
<b><u>SPECIFIC OUTCOMES OF THE COURSE</u></b>	<ul style="list-style-type: none"> <li>• Manipulation of controls.</li> <li>• Lock out procedure.</li> </ul> <p><b>Basic principles of using a Tractor Loader Backhoe:</b></p> <ul style="list-style-type: none"> <li>• Monitoring of instruments, gauges and safety systems.</li> </ul> <p><b>Processes and events:</b></p> <ul style="list-style-type: none"> <li>• Manipulation of controls.</li> <li>• Workplace examination.</li> <li>• Pre-use inspection of Tractor Loader Backhoe.</li> <li>• Preparation.</li> <li>• Take charge and operate paying attention to the manipulation of the controls, roadway conditions, pedestrians and prevention of injuries and property damage.</li> </ul>
<b><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></b>	<p>The following embedded knowledge is addressed in an integrated way in the unit standard:</p> <p><b>Risks associated with workplace hazards:</b></p> <ul style="list-style-type: none"> <li>• Overhang.</li> <li>• Large rocks.</li> <li>• Bench edges.</li> <li>• Environmental conditions e.g. dust, excessive water, visibility.</li> <li>• Power lines.</li> <li>• Moving machinery.</li> </ul> <p><b>Risks associated with work related hazards:</b></p> <ul style="list-style-type: none"> <li>• Working in proximity of moving machinery.</li> <li>• Pedestrians and other workers.</li> <li>• Working in proximity of cables.</li> <li>• Hydraulic pressure.</li> <li>• Roadway conditions.</li> <li>• Access control.</li> </ul> <p><b>Occupational safety, health and environment:</b></p> <ul style="list-style-type: none"> <li>• Hazards and risks encountered.</li> <li>• Safety systems and health protection.</li> <li>• Personal protective equipment.</li> <li>• Environmental protection and pollution controls.</li> <li>• Emergency procedures</li> </ul> <p><b>Applicable statutory requirements:</b></p> <ul style="list-style-type: none"> <li>• Applicable Acts and Regulations.</li> <li>• Codes of Practice.</li> <li>• Operator competency requirements.</li> </ul> <p><b>Communication requirements:</b></p> <ul style="list-style-type: none"> <li>• Reporting.</li> <li>• Liaison with associated operators.</li> <li>• Interpreting and implementing instructions</li> </ul>

**RPL Evidence Requirements Prior to Enrolment**

- Mine Induction Records
- Medical Certificate
- Curriculum Vitae
- Testimonial

**Logbook supporting evidence requirements:**

**\* compulsory and \*\* additional supporting evidence.**

- Completed and signed Checklists \*
- Completed and signed Risk Assessment \*
- Clocking records and equipment tag records. \*\*