

## CORE COMPETENCIES (80 hours)

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1. Perform pre- and post-operation procedures for Backhoe Loader	<p>1.1 Identify and explain the functions of equipment and its controls, instruments, gauges, indicators, safety devices and attachments</p> <p>1.2 Explain the importance of fluids and elaborate on equipment checking procedures</p> <p>1.3 Perform checking procedures</p>	Lecture Practical Demonstration	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Demonstration with oral questioning</li> <li>• Written test</li> </ul>

<p>2. Perform productive operation for Backhoe Loader</p>	<p>2.1 Identify and explain safe work practices</p> <p>2.2 Identify and explain possible unexpected situation in productive operation</p> <p>2.3 Perform procedures for loading and unloading of equipment to low bed trailer</p> <p>2.4 Perform procedures for excavating, carrying and loading of earth material to dump truck</p> <p>2.5 Perform secondary operation</p>	<p>Lecture Practical demonstration</p>	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Demonstration with oral questioning</li> <li>• Written test</li> </ul>
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<p>3. Perform basic preventive maintenance servicing for Backhoe Loader</p>	<p>3.1 Identify minor and major defects</p> <p>3.2 Identify and explain the use of basic hand tools and consumables</p> <p>3.3 Use basic hand tools in servicing minor defects and OS parts</p> <p>3.4 Prepare equipment report</p> <p>3.5 Perform good housekeeping</p>	<p>Lecture Practical demonstration</p>	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Demonstration with oral questioning</li> <li>• Written test</li> </ul>
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