

1. Title	Assist in installing various types of water pumps or the same type of pumps						
2. Code	EMPEIN101A						
3. Range	Perform installation tasks for various types of water pumps or the same type of pumps in general industrial plants, power plants or other places.						
4. Level	1						
5. Credits	3						
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Knowledge and requirements for installing water pumps or the same type of pumps</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Know about names of the parts of various types of water pumps or the same type of pumps</li> <li>◆ Know about general installation terminology for various types of water pumps or the same type of pumps</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of installing water pumps or the same type of pumps</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Use tools to assist in alignment, levelling and centering</li> <li>◆ Use tools to assist in measuring bases including: <ul style="list-style-type: none"> <li>• Horizontal alignment of bases</li> <li>• Perpendicularity of anchor bolts</li> </ul> </li> <li>◆ Assist in equipment base sizing block configuration according to instructions</li> <li>◆ Assist in fastening anchor bolts according to instructions</li> <li>◆ Assist in measuring and adjusting radial swaying and end offsetting of couplings according to instructions</li> </ul> </td> </tr> </table>	6.1	Knowledge and requirements for installing water pumps or the same type of pumps	<ul style="list-style-type: none"> <li>◆ Know about names of the parts of various types of water pumps or the same type of pumps</li> <li>◆ Know about general installation terminology for various types of water pumps or the same type of pumps</li> </ul>	6.2	Methods and procedures of installing water pumps or the same type of pumps	<ul style="list-style-type: none"> <li>◆ Use tools to assist in alignment, levelling and centering</li> <li>◆ Use tools to assist in measuring bases including: <ul style="list-style-type: none"> <li>• Horizontal alignment of bases</li> <li>• Perpendicularity of anchor bolts</li> </ul> </li> <li>◆ Assist in equipment base sizing block configuration according to instructions</li> <li>◆ Assist in fastening anchor bolts according to instructions</li> <li>◆ Assist in measuring and adjusting radial swaying and end offsetting of couplings according to instructions</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to assist in performing installation tasks for various types of water pumps or the same type of pumps under clear instruction.</p>						
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses general bench fitting techniques.						