

1. Title	Maintain lift brakes						
2. Code	EMLEOR304A						
3. Range	Arrange and implement the maintenance of lift brakes at field locations.						
4. Level	3						
5. Credit	3						
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1 Structure and working principles of lift brakes</td><td> <ul style="list-style-type: none"> <li>◆ Understand the structure and working principles of different kinds of brake (electromechanical) including: <ul style="list-style-type: none"> <li>• magnetic brake drum</li> <li>• magnetic disc brake</li> <li>• hydraulic brake drum</li> <li>• hydraulic disc brake</li> </ul> </li> </ul> </td></tr> <tr> <td style="vertical-align: top;">6.2 Methods and procedures of maintaining lift brakes</td><td> <ul style="list-style-type: none"> <li>◆ Know the repair and maintenance of different brakes and works include the procedures of inspection, cleaning, oiling and testing</li> <li>◆ Know the repair and maintenance of different brakes including: <ul style="list-style-type: none"> <li>• brake wheel/plate</li> <li>• brake lining</li> <li>• mechanical brake components</li> <li>• electromagnetic coil</li> <li>• hydraulic device of the brake</li> </ul> </li> <li>◆ Know the arrangement and implementation of maintenance instructions for lift brakes</li> <li>◆ Enable effectively operate the maintenance instruments and tools</li> </ul> </td></tr> <tr> <td style="vertical-align: top;">6.3 Professionalism in handling the maintenance works of brakes</td><td> <ul style="list-style-type: none"> <li>◆ Follow manufacturer's maintenance instructions to arrange and implement brake maintenance</li> <li>◆ Understand the requirements of safety guidelines and the code of practice for lifts in order to perform brake maintenance</li> </ul> </td></tr> </table>	6.1 Structure and working principles of lift brakes	<ul style="list-style-type: none"> <li>◆ Understand the structure and working principles of different kinds of brake (electromechanical) including: <ul style="list-style-type: none"> <li>• magnetic brake drum</li> <li>• magnetic disc brake</li> <li>• hydraulic brake drum</li> <li>• hydraulic disc brake</li> </ul> </li> </ul>	6.2 Methods and procedures of maintaining lift brakes	<ul style="list-style-type: none"> <li>◆ Know the repair and maintenance of different brakes and works include the procedures of inspection, cleaning, oiling and testing</li> <li>◆ Know the repair and maintenance of different brakes including: <ul style="list-style-type: none"> <li>• brake wheel/plate</li> <li>• brake lining</li> <li>• mechanical brake components</li> <li>• electromagnetic coil</li> <li>• hydraulic device of the brake</li> </ul> </li> <li>◆ Know the arrangement and implementation of maintenance instructions for lift brakes</li> <li>◆ Enable effectively operate the maintenance instruments and tools</li> </ul>	6.3 Professionalism in handling the maintenance works of brakes	<ul style="list-style-type: none"> <li>◆ Follow manufacturer's maintenance instructions to arrange and implement brake maintenance</li> <li>◆ Understand the requirements of safety guidelines and the code of practice for lifts in order to perform brake maintenance</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to master the construction and key points of repair and maintenance of different kinds of brake;</li> <li>(ii) Capable to systematically and effectively complete the repair and maintenance of different kinds of brake;</li> <li>(iii) Capable to arrange and implement the maintenance instructions for lift brakes; and</li> <li>(iv) Capable to follow manufacturer's maintenance instructions to arrange and implement the maintenance of brakes.</li> </ul>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of maintaining general lift brakes.</p>