

1. Title	Overhaul lift buffers
2. Code	EMLEOR318A
3. Range	Arrange and implement lift buffer overhauls at field locations.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and working principles of lift buffers</p> <ul style="list-style-type: none"> <li>◆ Understand the structure and working principles of different kinds of buffer including: <ul style="list-style-type: none"> <li>• energy accumulation buffer</li> <li>• one-plunger energy dissipation buffer</li> <li>• multi- plunger energy dissipation buffer</li> </ul> </li> </ul> <p>6.2 Overhaul methods and procedures for buffers</p> <ul style="list-style-type: none"> <li>◆ Formulate overhaul procedure lists for different kinds of buffer including: <ul style="list-style-type: none"> <li>• energy accumulation buffer</li> <li>• one-plunger energy dissipation buffer</li> <li>• multi- plunger energy dissipation buffer</li> </ul> </li> <li>◆ Implement and assign completed shutdown and restart work for different buffers, including <ul style="list-style-type: none"> <li>• safety preparation works for shutdown</li> <li>• safety works for resumption operation</li> </ul> </li> <li>◆ Effectively use different lifting gears to implement and assign completed lifting work for different buffers</li> <li>◆ Effectively use different tools to implement and assign completed disassembly, rust removal and prevention and assembly work for diferent buffers</li> </ul> <p>6.3 Professionalism in completed disassembly and assembly of buffers</p> <ul style="list-style-type: none"> <li>◆ Apply manufacturer’s repair instructions and the code of practice for lift work safety to implement and assign completed disassembly and assembly work for different buffers</li> <li>◆ Apply manufacturer’s repair instructions and the code of practice for lift design and construction to implement and assign completed adjustment and testing work for different buffers including: <ul style="list-style-type: none"> <li>• energy accumulation buffer</li> <li>• one-plunger energy dissipation buffer</li> <li>• multi- plunger energy dissipation buffer</li> </ul> </li> </ul>

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 arrange and assign completed disassembly, rust removal and prevention, assembly and testing procedures for different lift buffers systematically and through effective communication; and</li><li>(ii) Capable to implement completed disassembly, rust removal and prevention, assembly and testing works for different lift buffers under general or complicated situations in compliance with the prescribed standards of repair.</li></ul>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge and skills in overhauling general lift buffers.</p>