

1. Title	Test diesel engines
2. Code	EMCUMA314A
3. Range	Use typical or tailor-made mechanical tools to test diesel engines at servicing workshops or locations with diesel engines according to testing instructions and standards.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Working principles of diesel engines ♦ Understand the structure and working principles of various component systems of diesel engine</p> <p>6.2 Methods and procedures of testing diesel engines ♦ Test various component systems and fittings of a diesel engine effectively according to testing instructions and standards ♦ Test the overall performance of a diesel engine ♦ Use common and tailor-made mechanical tools effectively ♦ Keep record of data effectively</p> <p>6.3 Professionalism in diesel engine test ♦ Perform general tests on diesel engines independently according to testing instructions and standards ♦ Use instruments to measure air and noise pollution caused by the diesel engine ♦ Understand the legal requirements on work safety and the code of practice when performing tests on diesel engines</p>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to test the core systems of a diesel engine effectively and correctly according to testing instructions and standards as well as the requirements on work safety and the code of practice, to keep record of data effectively and check the performance of the diesel engine.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of mechanical equipment servicing.