

1. Title	Repair protection and indication devices of diesel engines
2. Code	EMSRRM308A
3. Range	Use common repairing and inspection instruments and tools to repair, maintain and set protection and indication devices of diesel engines e.g. low or medium speed engines below 1800kW (or 2400BHP), at repair workshops or locations with diesel engines according to repair 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 protection and indication devices of diesel engines</p> <ul style="list-style-type: none"> ◆ Understand the uses and working principles of various types of protection and indication devices of diesel engines, including: <ul style="list-style-type: none"> • Engine speed indication and protection devices • Engine temperature indication and protection devices • Engine lubrication system protection devices • Fuel filter system protection devices <p>6.2 Methods and procedures of repairing protection and indication devices of diesel engines</p> <ul style="list-style-type: none"> ◆ Repair protection and indication devices of diesel engines effectively, including checking, cleaning, measurement, maintenance and testing, according to repair instructions and standards ◆ Handle and eliminate faults in repair protection and indication devices of diesel engines effectively ◆ Test and set various types of protection and indication devices of diesel engines according to standards ◆ Use common repairing and inspection instruments and tools effectively <p>6.3 Professionalism in repairing and maintaining protection and indication devices of diesel engines</p> <ul style="list-style-type: none"> ◆ Perform general repair and maintenance of protection and indication devices of diesel engines independently according to repair instructions and standards ◆ Understand the code of practice when performing repair and maintenance of protection and indication devices of diesel engines
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to check and maintain the core protection and indication devices of diesel engines effectively and correctly according to repair standards; and</p> <p>(ii) Capable to commission and set various protection and indication devices effectively.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of repairing electrical and mechanical equipment.