

1. Title	Repair axial fans
2. Code	EMPERM306A
3. Range	Repair fans in general industrial plants, power plants or other places.
4. Level	3
5. Credits	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Properties and repairing methods for axial fans</p> <ul style="list-style-type: none"> ◆ Understand the construction, principles and properties of axial fans, including relevant mechanical theory and relevant mechanical theory and air mechanics ◆ Understand the methods of repairing axial fans, including the standards for repair, trial run and commissioning <p>6.2 Techniques and procedures of repairing axial fans</p> <ul style="list-style-type: none"> ◆ Use repairing tools properly to repair axial fans including: <ul style="list-style-type: none"> • Air flow, condition of blades and bearings, wearing of deflector blades, balance and vibration • Control of oil path • Adjusting blade angle <p>6.3 Professionalism in repairing fans</p> <ul style="list-style-type: none"> ◆ Follow manufacturer’s repair guidelines to repair axial fans ◆ Find out the causes of common faults and repair them
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to inspect and repair axial fans independently;</p> <p>(ii) Capable to complete simple reports on axial fan repair; and</p> <p>(iii) Capable to clearly report the status of the mechanical operation of axial fans.</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 and elementary mechanical knowledge.