

1. Title	Repair centrifugal fans									
2. Code	EMPERM218A									
3. Range	Perform routine repair for centrifugal fans in general industrial plants, power plants or other places.									
4. Level	2									
5. Credits	3									
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Properties and methods of maintaining centrifugal fans</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the construction, principles and properties of centrifugal fans, including relevant theory of mechanics and air mechanics ◆ Understand the maintenance of centrifugal fans, including the repair, trial run and commissioning standards </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Techniques and procedures of maintaining centrifugal fans</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Use repairing tools properly for the maintenance of centrifugal fans, including the airflow, condition of vane and bearings, wearing condition, balance and vibration of guide vane </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in maintaining centrifugal fans</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow the requirements of practical guidelines and manufacturer's repair guidelines to perform centrifugal fan maintenance </td> </tr> </table>	6.1	Properties and methods of maintaining centrifugal fans	<ul style="list-style-type: none"> ◆ Understand the construction, principles and properties of centrifugal fans, including relevant theory of mechanics and air mechanics ◆ Understand the maintenance of centrifugal fans, including the repair, trial run and commissioning standards 	6.2	Techniques and procedures of maintaining centrifugal fans	<ul style="list-style-type: none"> ◆ Use repairing tools properly for the maintenance of centrifugal fans, including the airflow, condition of vane and bearings, wearing condition, balance and vibration of guide vane 	6.3	Professionalism in maintaining centrifugal fans	<ul style="list-style-type: none"> ◆ Follow the requirements of practical guidelines and manufacturer's repair guidelines to perform centrifugal fan maintenance
6.1	Properties and methods of maintaining centrifugal fans	<ul style="list-style-type: none"> ◆ Understand the construction, principles and properties of centrifugal fans, including relevant theory of mechanics and air mechanics ◆ Understand the maintenance of centrifugal fans, including the repair, trial run and commissioning standards 								
6.2	Techniques and procedures of maintaining centrifugal fans	<ul style="list-style-type: none"> ◆ Use repairing tools properly for the maintenance of centrifugal fans, including the airflow, condition of vane and bearings, wearing condition, balance and vibration of guide vane 								
6.3	Professionalism in maintaining centrifugal fans	<ul style="list-style-type: none"> ◆ Follow the requirements of practical guidelines and manufacturer's repair guidelines to perform centrifugal fan maintenance 								
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Perform routine repair for centrifugal fans under instruction and according to guidelines; and</p> <p>(ii) Capable to complete repair report forms for the centrifugal 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.									