

1. Title	Repair bearing installations									
2. Code	EMPERM311A									
3. Range	Repair bearing installations 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> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Internal structure and working principles of bearing installations</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the composition and internal structure of general bearing installations ◆ Understand the relationship of the models of various types of bearing installations to their loads, cooling system of bearing, heat transfer and thermal conductivity </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of repairing bearing installations</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Master the principles and working procedures of repairing bearing installations, including inspection, testing, lubrication and cleaning ◆ Know the need of scheduled repair and maintenance of bearing installations, and perform repair accordingly ◆ Master and use the knowledge relevant to the positions, causes and handling methods for common faults in general bearing installations </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in repairing bearing installations</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow manufacturer's repair guidelines to repair bearing equipment ◆ Find out the causes of common faults and repair them </td> </tr> </table>	6.1	Internal structure and working principles of bearing installations	<ul style="list-style-type: none"> ◆ Understand the composition and internal structure of general bearing installations ◆ Understand the relationship of the models of various types of bearing installations to their loads, cooling system of bearing, heat transfer and thermal conductivity 	6.2	Methods and procedures of repairing bearing installations	<ul style="list-style-type: none"> ◆ Master the principles and working procedures of repairing bearing installations, including inspection, testing, lubrication and cleaning ◆ Know the need of scheduled repair and maintenance of bearing installations, and perform repair accordingly ◆ Master and use the knowledge relevant to the positions, causes and handling methods for common faults in general bearing installations 	6.3	Professionalism in repairing bearing installations	<ul style="list-style-type: none"> ◆ Follow manufacturer's repair guidelines to repair bearing equipment ◆ Find out the causes of common faults and repair them
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to repair bearing installations independently;</p> <p>(ii) Capable to complete simple reports on the repair of bearing installations; and</p> <p>(iii) Capable to clearly report the operational status of bearing installations.</p>									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of using basic repairing tools and mechanical equipment installation.									