

1. Title	Supervise the overhaul of low flow water pumps									
2. Code	EMPERM401A									
3. Range	Supervise the routine overhaul of low flow water pumps (e.g. small centrifugal pumps, fire pumps and volume pumps) in general industrial plants, power plants or other places.									
4. Level	4									
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;">Construction and overhaul method of low flow water pumps</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Master the construction and common defects of low flow water pumps, including the pump body, moving parts, shaft seal and bearing system ◆ Master the use, repair and maintenance of repairing tools and measuring instruments ◆ Master the key points and quality standards for repairing low flow water pumps, including disintegration, inspection, reconditioning and testing </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Supervise the overhaul of low flow water pumps</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Supervise and coordinate overhaul procedures for low flow water pumps including disintegration, cleaning and inspection, reconditioning, replacing parts, reinstalling and testing </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in supervising the overhaul of low flow water pumps</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Supervise the overhaul of low flow water pumps according to drawings, engineering and safety requirements ◆ Supervise, coordinate and control the overhaul of low flow water pumps so as to meet the engineering requirements and quality standards </td> </tr> </table>	6.1	Construction and overhaul method of low flow water pumps	<ul style="list-style-type: none"> ◆ Master the construction and common defects of low flow water pumps, including the pump body, moving parts, shaft seal and bearing system ◆ Master the use, repair and maintenance of repairing tools and measuring instruments ◆ Master the key points and quality standards for repairing low flow water pumps, including disintegration, inspection, reconditioning and testing 	6.2	Supervise the overhaul of low flow water pumps	<ul style="list-style-type: none"> ◆ Supervise and coordinate overhaul procedures for low flow water pumps including disintegration, cleaning and inspection, reconditioning, replacing parts, reinstalling and testing 	6.3	Professionalism in supervising the overhaul of low flow water pumps	<ul style="list-style-type: none"> ◆ Supervise the overhaul of low flow water pumps according to drawings, engineering and safety requirements ◆ Supervise, coordinate and control the overhaul of low flow water pumps so as to meet the engineering requirements and quality standards
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to supervise the whole process of overhaul for low flow water pumps; and</p> <p>(ii) Capable to compile supervisory report on the overhaul of low flow water pumps.</p>									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMPERM203A “Repair low pressure and low flow water pumps” and EMPEIN202A “Install high pressure and low flow water pumps”.									