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|------------------------|---|--|---|--|---|--|--|-----|---|--|
| 1. Title | Install steam turbine auxiliary equipment (circulating water cooling systems) | | | | | | | | | |
| 2. Code | EMPEIN208A | | | | | | | | | |
| 3. Range | Perform general installation tasks for steam turbine auxiliary equipment 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;">Functions of circulating water cooling systems</td> <td style="vertical-align: top;">◆ Understand the functions of circulating water cooling systems in steam turbine systems</td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of installing circulating water cooling systems</td> <td style="vertical-align: top;">◆ Know how to perform the methods and procedures of installing circulating water cooling systems, such as circulating water pump, penstock, bar screen, drum screen and electrochlorinator ◆ Select and use general installation tools properly</td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in installing circulating water cooling systems</td> <td style="vertical-align: top;">◆ Follow the drawings and engineering requirements to install circulating water cooling system components ◆ Carry out installation work according to the progress and to meet the quality standards ◆ Understand safety requirements for work as well as the requirements of the codes of practice and manufacturers' installation guidelines in order to perform steam turbine auxiliary equipment installation</td> </tr> </table> | 6.1 | Functions of circulating water cooling systems | ◆ Understand the functions of circulating water cooling systems in steam turbine systems | 6.2 | Methods and procedures of installing circulating water cooling systems | ◆ Know how to perform the methods and procedures of installing circulating water cooling systems, such as circulating water pump, penstock, bar screen, drum screen and electrochlorinator ◆ Select and use general installation tools properly | 6.3 | Professionalism in installing circulating water cooling systems | ◆ Follow the drawings and engineering requirements to install circulating water cooling system components ◆ Carry out installation work according to the progress and to meet the quality standards ◆ Understand safety requirements for work as well as the requirements of the codes of practice and manufacturers' installation guidelines in order to perform steam turbine auxiliary equipment installation |
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| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <table border="0"> <tr> <td style="vertical-align: top;">(i)</td> <td style="vertical-align: top;">Capable to perform installation of circulating water cooling systems for steam turbine units under instruction;</td> </tr> <tr> <td style="vertical-align: top;">(ii)</td> <td style="vertical-align: top;">Capable to complete installation report forms for the circulating water cooling systems of steam turbine units; and</td> </tr> <tr> <td style="vertical-align: top;">(iii)</td> <td style="vertical-align: top;">Capable to report the condition of operation of the circulating water cooling systems of steam turbine units.</td> </tr> </table> | (i) | Capable to perform installation of circulating water cooling systems for steam turbine units under instruction; | (ii) | Capable to complete installation report forms for the circulating water cooling systems of steam turbine units; and | (iii) | Capable to report the condition of operation of the circulating water cooling systems of steam turbine units. | | | |
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| 8. Remarks | The credit value of this unit of competency is set on the presumption that the person already possesses general installation bench fitting techniques and elementary mechanical knowledge. | | | | | | | | | |