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|------------------------|---|--|--|--|-----|--|--|-----|--|--|
| 1. Title | Install basic components of grab unloaders | | | | | | | | | |
| 2. Code | EMPEIN304A | | | | | | | | | |
| 3. Range | Perform installation tasks for general basic components (wire drum, sheave, rack and pinion, cable reel, and weighing system) of grab unloaders in general industrial plants, power plants or other places. | | | | | | | | | |
| 4. Level | 3 | | | | | | | | | |
| 5. Credits | 6 | | | | | | | | | |
| 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;">Design and operating principle of grab unloaders</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the design and operating principle of the main components of grab unloaders such as sheave and wire rope, opening and closing and elevating and descending of bulk material grab, travel, cross rail, conveyor belt, cable reel, magnetic separator, weighing scale, etc ◆ Understand the controlling principle for grab unloaders </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Installation requirements for basic components of grab unloaders</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the installation requirements for basic components according to drawings ◆ Formulate installation guidelines with respect to the actual working environment ◆ Formulate safety guidelines for the installation work </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Installation of basic components of grab unloaders</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Arrange suitable trades and number of workers for work ◆ Use different tools to assist installation ◆ Work out and perform quality inspection in the process of installation ◆ Perform testing after the installation </td> </tr> </table> | 6.1 | Design and operating principle of grab unloaders | <ul style="list-style-type: none"> ◆ Understand the design and operating principle of the main components of grab unloaders such as sheave and wire rope, opening and closing and elevating and descending of bulk material grab, travel, cross rail, conveyor belt, cable reel, magnetic separator, weighing scale, etc ◆ Understand the controlling principle for grab unloaders | 6.2 | Installation requirements for basic components of grab unloaders | <ul style="list-style-type: none"> ◆ Understand the installation requirements for basic components according to drawings ◆ Formulate installation guidelines with respect to the actual working environment ◆ Formulate safety guidelines for the installation work | 6.3 | Installation of basic components of grab unloaders | <ul style="list-style-type: none"> ◆ Arrange suitable trades and number of workers for work ◆ Use different tools to assist installation ◆ Work out and perform quality inspection in the process of installation ◆ Perform testing after the installation |
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| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to understand the design and operating principle of grab unloader components; (ii) Capable to understand the installation requirements for basic components of grab unloaders; and (iii) Capable to perform installation tasks for basic components of grab unloaders independently. | | | | | | | | | |
| 8. Remarks | The credit value of this unit of competency is set on the presumption that the person already possesses techniques of using basic installation tools and knowledge of mechanical equipment installation. | | | | | | | | | |