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| 1. Title      | Pre-startup inspection and general operation of material handling machine and its auxiliary equipment   |  |
| 2. Code       | EMPEOM305A  |  |
| 3. Range      | Perform pre-startup inspection and general operation of material handling machine and its auxiliary equipment in general industrial plants, power plants or other places.   |  |
| 4. Level      | 3   |  |
| 5. Credits    | 9   |  |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1      Operating principle of material handling machine and its auxiliary equipment</p> <ul style="list-style-type: none"> <li>◆ Understand the operating principle of material handling machine and its auxiliary equipment</li> <li>◆ Know the purpose of pre-startup inspection of material handling machine and its auxiliary equipment</li> <li>◆ Understand the composition and workflow of material handling machine and its auxiliary equipment</li> </ul> <p>6.2      Methods and procedures of pre-startup inspection and general operation</p> <ul style="list-style-type: none"> <li>◆ Read and understand the instructions and procedures of operation in the operation manual</li> <li>◆ Inspect material handling machine and its auxiliary equipment at suitable times according to instructions, such as <ul style="list-style-type: none"> <li>• Performance of the rotation of material handling machine and the ups and downs of the material clamp</li> <li>• Performance of the driving of the control compartment and alarm notification device</li> <li>• Performance of communication equipment</li> <li>• Safety and reliability of crane shackle and chains</li> <li>• Safety and reliability and the quantity of safety belt, safety life line and reflective vest</li> <li>• Performance of gas detector</li> <li>• Condition of the movable long and short planks, impact cut-out of the driving limit switch of coal unloader, floor plates of planks</li> <li>• Performance of its auxiliary equipment</li> </ul> </li> <li>◆ Call the repair department for emergency repair if a problem is found</li> <li>◆ Monitor the operation of material handling machine and its auxiliary equipment according to instructions, such as <ul style="list-style-type: none"> <li>• Selection buttons and indicating lights in the control compartment are in proper positions</li> </ul> </li> </ul> |  |

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|                        | <ul style="list-style-type: none"> <li>• Confirming that there is no obstacle in the track for moving , traversing, lifting up and lowering down , and various types of brakes and limit switch are normal</li> <li>• Confirming that all signals and alarms function properly</li> <li>• Confirming that all control buttons in the control compartment are in normal position and the alarm notification device is adjusted to appropriate volume</li> <li>• If an abnormal operation is found, implement the shutdown operation and explain the abnormal situation clearly</li> <li>• Follow the operation guidelines to handle alarm malfunctions</li> <li>• Complete the failure shutdown operation report form</li> <li>◆ Complete the job report form for pre-startup inspection and general operation of the material handling machine</li> </ul> <p>6.3 Professionalism in handling pre-startup inspection and general operation</p> <ul style="list-style-type: none"> <li>◆ Follow guidelines and procedures to perform pre-startup inspection and general operation for material handling machine</li> <li>◆ Perform pre-startup inspection and general operation for material handling machine in compliance with the code of safety and codes of practice</li> </ul> |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to perform independently pre-startup inspection for material handling machine and its auxiliary equipment;</li> <li>(ii) Capable to implement independently general operation of material handling machine and its auxiliary equipment;</li> <li>(iii) Capable to complete simple reports on the inspection and operation of material handling machine and its auxiliary equipment; and</li> <li>(iv) Capable to clearly report the status of operation of material handling machine.</li> </ul>   |
| 8. Remarks             | <p>The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of industry safety and mechanical operation.</p>  |