

1. Title	Pre-startup inspection and general operation of heavy vehicles handling bulk materials										
2. Code	EMPEOM303A										
3. Range	Perform pre-startup inspection and general operation of heavy vehicles handling bulk materials 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;">Operating principle of heavy vehicles handling bulk materials</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the operating principle of heavy vehicles ◆ Know the method of operating heavy vehicles ◆ Understand the composition of heavy vehicles </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of pre-startup inspection and general operation</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Read and understand the instructions and procedures of operation in the operation manual ◆ Inspect heavy vehicles at suitable times according to instructions ◆ Perform pre-startup inspection for heavy vehicles handling bulk materials: <ul style="list-style-type: none"> • Various types of alarms and communication equipment in the cockpit • Vehicle's driving and braking systems • Hydraulic load shifting mechanical system • Vehicle's lighting system • various types of safety equipment such as safety belt and reflective tape ◆ If an abnormal operation is found, implement the shutdown operation ◆ Follow the operation guidelines to handle alarm malfunctions ◆ Complete the report form for general operation and failure shutdown operation </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in handling pre-startup inspection and general operation</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow guidelines and procedures to perform pre-startup inspection and general operation for heavy vehicles handling bulk materials independently ◆ Perform pre-startup inspection and general operation in compliance with the code of safety and codes of practice </td> </tr> </table>		6.1	Operating principle of heavy vehicles handling bulk materials	<ul style="list-style-type: none"> ◆ Understand the operating principle of heavy vehicles ◆ Know the method of operating heavy vehicles ◆ Understand the composition of heavy vehicles 	6.2	Methods and procedures of pre-startup inspection and general operation	<ul style="list-style-type: none"> ◆ Read and understand the instructions and procedures of operation in the operation manual ◆ Inspect heavy vehicles at suitable times according to instructions ◆ Perform pre-startup inspection for heavy vehicles handling bulk materials: <ul style="list-style-type: none"> • Various types of alarms and communication equipment in the cockpit • Vehicle's driving and braking systems • Hydraulic load shifting mechanical system • Vehicle's lighting system • various types of safety equipment such as safety belt and reflective tape ◆ If an abnormal operation is found, implement the shutdown operation ◆ Follow the operation guidelines to handle alarm malfunctions ◆ Complete the report form for general operation and failure shutdown operation 	6.3	Professionalism in handling pre-startup inspection and general operation	<ul style="list-style-type: none"> ◆ Follow guidelines and procedures to perform pre-startup inspection and general operation for heavy vehicles handling bulk materials independently ◆ Perform pre-startup inspection and general operation in compliance with the code of safety and codes of practice
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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 perform independently pre-startup inspection of heavy vehicles handling bulk materials; (ii) Capable to perform independently general operation of heavy vehicles handling bulk materials; (iii) Capable to complete simple report for the inspection and operation of heavy vehicles handling bulk materials; and (iv) Capable to clearly report the status of operation of heavy vehicles handling bulk materials.
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>