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| 1. Title | Operate and maintain abrasive wheels safely |
| 2. Code | EMCUIN315A |
| 3. Range | Operate all kinds of abrasive wheels in workshops or work sites. |
| 4. Level | 3 |
| 5. Credits | 3 |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Methods of operating abrasive wheels</p> <ul style="list-style-type: none"> ◆ Be familiar with the safe operation of abrasive wheels, including: <ul style="list-style-type: none"> • Maximum permissible speed of abrasive wheel in different size (speed of abrasive wheel) • Speed of spindle • Protective guard for moving abrasive wheel • Gap between the cutter block and abrasive wheel • Ensure that the abrasive wheel has been fitted securely before use • Effective devices to connect and disconnect power supply must be available for the abrasive wheel used in the machinery • Suitable working environment e.g. no materials without tied <p>6.2 Maintenance of abrasive wheel</p> <ul style="list-style-type: none"> ◆ Be familiar with the maintenance of abrasive wheel, including: <ul style="list-style-type: none"> • Repair of the protective guard • Repair of the rest • Reconditioning of the abrasive wheel <p>6.3 Operation and maintenance procedures for abrasive wheel</p> <ul style="list-style-type: none"> ◆ Know how to choose suitable abrasive wheels for different kinds of work ◆ Know the needs and principles of regularly repairing and maintaining abrasive wheel, including the procedures of inspection, maintenance and alignment ◆ Use general repairing and checking instruments and tools effectively |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to operate abrasive wheels safely;</p> <p>(ii) Capable to choose suitable abrasive wheels for different kinds of work; and</p> <p>(iii) Capable to perform routine maintenance and fault repair of abrasive wheels effectively.</p> |
| 8. Remarks | The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of occupational safety and machinery/materials. |