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| Title | **Carry out maintenance of tools and machines** | | |
| Level | **2** | **Credits** | **4** |

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| Purpose | This Competency Standard identified the competencies required to perform maintenance functions by a machinist in accordance with the organization’s approved guidelines and procedures. You will be expected to perform preventive maintenance of machines and tools as well as general housekeeping and maintenance of tools and machines.  Your underpinning knowledge regarding maintenance of tools and machinery will be sufficient to provide you with the basis for your work. |

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| Classification ISCED | 0715 Mechanics and metal trades |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

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| **Unit of Competency** | **Performance Criteria** | **Knowledge** | **Tools & Equipment** |
| **D1. Perform preventive maintenance of machines and tools** | ***You must be able to:***  **P1.** Inspect and assess the general condition of an assigned machine on regular basis.  **P2.** Recognize maintenance problems and carry out routine maintenance as per given instructions and schedules.  **P3.** Report the problems which are beyond the scope of authority.  **P4.** Keep record as per company policy to track maintenance history. | ***You must know and understand:***  **K1.** Read maintenance schedule  **K2.** Method of keeping record of maintenance schedule.  **K3.** Understand machine operations  **K4.** Identify faulty/damaged/ worn out parts  **K5.** Troubleshooting of minor faults  **K6.** Understand own scope of authority | **T1**. Wrench  **T2**. AllenKey set **T3**. Spanner set **T4**. Hammer **T5**. Chisel  **T6**. Bearing puller  **T7**. Safety equipment  **T8**. Maintenance Box  **T9**. Measuring Tools |

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| **Unit of Competency** | **Performance Criteria** | **Knowledge** | **Tools & Equipment** |
| **D2. Perform general housekeeping and maintenance of machines and tools** | ***You must be able to:***  **P1.** Clean and maintain all bench-work tools and machines as per housekeeping checklists or instructions given.  **P2.** Maintain cleanliness of the workplace.  **P3.** Respond appropriately to safety hazards on all bench-work tools and machines.  **P4.** Keep all the tools and material in proper place to ensure safe work. | ***You must know and understand:***  **K1.** Importance of cleanliness of tools and machines.  **K2.** Methods and techniques for cleanliness and maintenance of machines and tools.  **K3.** Specific guidelines and checklists to conduct maintenance and housekeeping of machines and tools. | **T1**. Tool racks **T2**. Grease gun **T3**. Oil gun  **T4**. Cotton rags/Floor brush  **T5**. Tool grinders  **T6**. Maintenance Box  **T7**. Measuring Tools |