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| ***Portable_Plant_SOP***  **AIR COMPRESSOR** | |
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| **DO NOT** use this machine unless a teacher has instructed you in its safe use and operation and has given permission | |
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| Safety glasses must be worn at all times in work areas. | Hearing Protection circleAppropriate hearing protection (*Class 5-SLC80>26 dB*) must be worn. |
| Foot Protection circleAppropriate protective footwear must be worn. | Hard hatWear a hard hat if required. |
| Prohibition circle**Prohibition circle**Prohibition circleRings and jewellery must not be worn. | **Dust mask sign**Wear an approved dust mask (*P2 dust and fumes)*. |

### **Use compressed air safely – horseplay with compressed air can cause injuries**

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### **PRE-OPERATIONAL SAFETY CHECKS**

1. **Ensure the work area is well ventilated and not interfering with other students or activities.**
2. **Visually check all air hoses and electrical leads used with the compressor for damage and slip/trip hazards.**
3. **Ensure all guards for the compressor (e.g. belt and pulley cover) are in place and in good working order.**
4. **Ensure you are familiar with the operation of the ON/OFF switch.**
5. **Check that the regulator is set to the appropriate pressure for the activity.**
6. **Check the oil level of the compressor in the oil sight glass.**

#### OPERATIONAL SAFETY CHECKS

1. **Ensure all attachments used with the air compressor are in good condition before using.**
2. **Be careful when attaching and disconnecting tools to the air hose. Hold the air hose and tool firmly during this process.**
3. **Check the compressor regularly, noting pressure increase and cut-out/cut-in pressure.**
4. **Listen for any air leaks from any flexible airlines and immediately report any leaks.**
5. **Adjust pressure regulator to suit work requirements – discuss with your teacher.**
6. **Turn off and disconnect air hoses and electrical leads after use.**
7. **Never leave air compressor and equipment unattended.**

#### HOUSEKEEPING

1. **Leave the work area in a safe, clean and tidy state – remove any waste.**
2. **Release condensation from the drain before storing air compressor away.**
3. **Air hoses and electrical leads should be coiled with large loops.**

## POTENTIAL HAZARDS

* + **Material blown under pressure ◼ Slips, trips and falls ◼ Excessive noise**
  + **Unrestrained air hose whipping around ◼ Compressed air**
  + **High pressure air hose couplings ◼ Manual handling – equipment and materials**

#### FORBIDDEN

* + **Never use compressed air to clean off clothes, workbenches or floor surfaces**
  + **Never direct compressed air at your body or another person**

**Date of last review:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Signature:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_