**Safe Work Practice**

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| Name of Job:  **Portable Arc Welders** | Development Date:  **March 7, 2011** | Developed By:  **CSNS** |

**Possible Hazards Present**

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| Working at heights | Working in [confined spaces](http://www.ccohs.ca/oshanswers/hsprograms/confinedspace_intro.html) | Risk of [eye injury](http://www.ccohs.ca/oshanswers/prevention/ppe/glasses.html) | [Slips, trips and falls](http://www.ccohs.ca/oshanswers/safety_haz/falls.html) |
| Risk of injury from falling objects | Burns from hot surfaces, flames, sparks, etc., | Exposure to [lead](http://www.ccohs.ca/oshanswers/chemicals/chem_profiles/lead/) and other toxic heavy metals | Proximity to [flammable or combustible](http://www.ccohs.ca/oshanswers/chemicals/flammable/) materials |

**Personal Protective Equipment (PPE) and Devices Recommended**

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| Head protection | Eye Protection | Foot protection | Fall Arrest Equipment |
| Respirator Equipment | Skin Protection | Hearing Protection |  |

**What are some good general safe work practices?**

* **DO** ensure that workers are trained in use of welder.
* **DO** perform a “walk around” inspection before starting equipment.
* **DO** ensure welder is firmly attached to the transporting unit.
* **DO** check all fluid levels to ensure they are at acceptable levels for operation.
* **DO NOT** fuels the machine while it is running or hot.
* **DO NOT** “top off” the gas tank when fuelling. Gasoline expands as the outside temperature rises, this may result in seepage and an ensuing fire.
* **DO** Ensure the side covers are kept closed to protect equipment from any damage from external objects, as well as to protect he operator and others from the moving parts of the machine.
* **DO** Ensure sure all cables are wound securely when transporting equipment.
* **DO** ensure that any repairs shall be done by qualified mechanics.
* **DO** Ensure *Working Alone* policy is followed, where applicable