









## Safe Work Practice HOT WORK

### Potential Hazards (Risk Priority MEDIUM)

- Fire and explosions
- Exposure to arcs and welding fumes
- Flashback, skin and eye burns, electric shock
- All personnel must ensure they have been appropriately trained by their supervisor.

### Required Personal Protective Equipment and Devices

Foot Protection	Hearing Protection	High Visibility	Head Protection	Eye Protection	Face Protection	Hand Protection	Protective Clothing
							

### Safe Work Practice

- Read the manufacturers manual or operators manual
- Make sure that you understand the instructions before attempting to use this machine
- Do Not operate portable welders in doors – cutting and burning can increase the fire and breathing hazard on any job
- Ensure that adequate ventilation is supplied
- Notify other workers of the welding, cutting or burning that you will be doing as you are presenting another hazard they have the right know about
- Have firefighting or prevention equipment on hand before starting
- Check the work area for combustible materials and possible flammable vapors before starting work
- A welder should never work alone – a fire or spark watch should be maintained
- Check cables and hoses to protect them from slag or sparks
- When working overhead use fire resistant materials (blankets, tarps) to control or contain slag and sparks
- Open all cylinder valves slowly – the wrench used for opening the cylinder valves should always be kept on the valve spindle when the cylinder is in use
- Proper storage of cylinders must be ensured at all times
- Arc welding machine must be firmly attached to the transporting unit
- Check all fluid levels, water, oil and gas to be sure they are acceptable levels for operation
- Be sure the radiator and gas caps are in proper working order and securely attached
- Do a walk around to check for damage and obvious leaks
- Repairs should be done by qualified mechanics or technicians
- Make sure all cables are wound securely when transporting
- Ensure the side covers are kept closed to protect the machine from any damage from external objects and outside weather, as well as to protect the operator and others from the moving parts of the machine
- Do Not start work without authorization
- No Not weld or cot lines, drums, tanks etc. that have been in service without making sure that all precautions have been carried out and permits obtained

- Do Not enter, weld or cut in a confined space without proper gas tests and a required safety watch
- Do Not perform welding or cutting where sparks and cutting slag will fall on the cylinders (move all cylinders to one side)
- Do Not “top off the gas tank” when fueling it – gasoline expands as the outside temperature rises, this may result in seepage and ensuing a fire.
- Do Not fuel the machine while it is running

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***If an emergency situation occurs while conducting this task, or there is an equipment malfunction, shut the equipment off immediately and follow the lock out procedure.***

**REPORT ANY HAZARDOUS SITUATION TO YOUR SUPERVISOR IMMEDIATELY**

This must be reviewed any time the task, equipment, or materials change and at minimum, every three years.