

Job Title **Welder - Base**

Job Location **Weld Shop**

Date of Analysis **7/22/2019**

Analyst(s) **Rick Fineman, CSP**

- PPE Required
- Safety Glasses
 - Goggles, Faceshield, Welders Mask
 - Slip Resistant Shoes
 - Safety Toe Shoes
 - Gloves
 - Protective Apron or Clothing
 - Respirator
 - Hard Hat or Bump Cap

Frequency	6
Likelihood	3
Severity	2
Risk Score	50

Continuously (or many times a day)
 Would be remotely possible - has been known to occur
 Disabling injuries, damage to \$1000
Total Risk Score for this Job

Comments

Step	Job Step Description	Identified Hazards	Proposed Controls	Completion Date
#	Break down the larger job into small steps to help isolate risks	List the hazards you've identified for this step - involve employees and conduct observations	What are the actions you'll take to improve the safety for this risk?	When will these take affect?
1	Get base, cap and arm for welding from parts cart and place onto workstation jig	1. Lifting parts can strain back or upper extremity 2. Some parts have sharp edges and can cut hand	1. Keep heavier parts at waist level on carts - waist level to waist level lifts 2. Carts positioned far to reduce twisting 3. Gloves to avoid hand injuries	8/15/2019
2	Check Welder for safe operating condition and turn on welder and local exhaust ventilation			
3	Complete side, top and bottom welds on cap. Completed arm weld to side of base.	1. UV and IR Radiation from Welder 2. Potential Hot Slag or contact with hot surface 3. Breathing Welding Fumes 4. Contact with Electrical	1. Welding hood with tinted lense - Flash guard barriers between stations 2. Gloves & welding leathers for hot surface and slag 3. Steel Toe boots for dropped items 4. Local Exhaust Ventilation for fumes 5. Inspect welder and grounding for electrical	8/1/2019
4	Clean weld using magnaflux cleaner while in jig	1. Skin irritation from cleaner	1. Use tool for application and cleaning 2. Wash hands if contact with cleaner	7/24/2019
5	Polish Part using hand polisher while in jig	1. Noise from Polisher 2. Vibration 3. Struck by or against	1. Keep part in jig while polishing 2. Hearing protection optional 3. Vibration Damping Gloves available upon	7/24/2019
6	Remove finished part from jig and place onto cart for transport	1. Lifting parts can strain back or upper extremity 2. Some parts have sharp edges and can cut hand.	1. Keep heavier parts at waist level on carts - waist level to waist level lifts 2. Carts positioned far to reduce twisting 3. Gloves to avoid hand injuries	8/1/2019

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