# Job Hazard Analysis Form

## Task
**Grinding - DeWalt 60V Max Grinder**

## Completed by
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## Required PPE
Safety glasses, steel-toed boots, hearing protection

## Date
9/28/17  

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<tr>
<th>Step</th>
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| 1    | ![DeWalt Grinder](image1) | Perform pre-use inspection and check | • Injury due to wheel breakage | • Complete hands-on ginder training from a journeyman prior to use  
• Perform pre-use inspection per the DeWalt 60V DCG414 Instruction Manual  
• Check for damaged accessories such as chips or cracks in the abrasive wheel  
• After inspecting and installing an accessory, position yourself and others away from the plane of the rotating accessory and run the tool at max no-load speed to check functionality  
• Red tag any equipment which does not pass inspection |
| 2    | ![DeWalt Grinder](image2) | Perform hazard assessment of work area | • Combustion  
• Fire  
• Explosion  
• Hazardous Dust | • Keep combustible or flammable materials at least 35 feet from hot work area or use shielding materials  
• Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases or dust  
• Complete CSUF Hot Work Permit  
• Evaluate materials to be worked on prior to commencing work. Some dust created by power sanding, sawing, grinding, and drilling, can pose additional hazards |
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<td>3</td>
<td><img src="image1.png" alt="Picture" /></td>
<td>Prepare work area</td>
<td>• Injuries to user, co-workers, or bystanders</td>
<td>• Barricade or control the work area from unauthorized entrants</td>
</tr>
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</table>
| 4    | ![Picture](image2.png) | Mount accessory such as cut-off wheel and guard and prepare for grinding | • Lacerations | • Mount the wheel in the direction suitable for the task and to generate sparks away from user during use  
• Mount grinder guard if possible and if it makes the task safer  
• Warn others in the work area that you are going to start grinding by saying “Heads up, I’m using the grinder”  
• When picking up the grinder, avoid grasping the trigger and inadvertently activating the wheel |
| 5    | ![Picture](image3.png) | Perform grinding/cutting | • Debris/sparks  
• Lacerations  
• Combustion  
• Fire  
• Burn from cut materials  
• Kickback of grinder  
• Ergonomics/Awkward Postures  
• Inhalation hazards  
• Noise hazards (88 Db) | • Wear safety glasses and steel-toed boots  
• Use a respirator if grinding presents inhalation hazards as determined by Step 2.  
• Monitor the work area for changing conditions  
• Grinder is equipped with a kickback brake to quickly stop the wheel in the event of a pinch or bind-up  
• Avoid skin contact with hot cut materials such as rebar  
• Keep your hair, clothing and gloves away from moving part  
• Avoid over-reaching, keep proper footing and balance  
• Wear proper hearing protection |