

TOOLBOX TALKS

Mining Safety: How To Safely Cut With Oxygen- Acetylene

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TOPIC: Safely Cutting With Oxygen-Acetylene

Inspection

- Inspect all areas of the equipment including hoses, gauges, regulators, and torches before use.
- Clean and inspect each cylinder valve before attaching regulators.
- Never open a cylinder valve without first verifying the adjusting screw is closed.

General Precautions

- Ensure only trained employees operate oxygen-acetylene equipment.
- Never store flammable material near the work area when using oxygen and acetylene equipment.
- To prevent the possibility of dangerous gas flows and flashbacks, install a flash arrestor at both ends of the hose connections.
- Never stand in front of the regulator when opening a cylinder valve.
- Never substitute oxygen for compressed air.
- Never apply oil or grease to acetylene or oxygen fittings.

Operation

- Always clean both oxygen and acetylene lines individually before lighting the torch.
- Never compress acetylene above 15 psig.
- Light the acetylene before opening the oxygen line.
- Take special care when opening cylinder valves. Open oxygen valves fully and acetylene valves approximately ¼ to ½ turn.

Discussion Date: _____

Employee Participants:

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