

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

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- Overview

- LOX – Hazards and Safety Requirements

- Nitrogen - Hazards and Safety Requirements

- Air Compressors - Hazards and Safety Requirements

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Exposed to compressed gas
  - Liquid Oxygen (LOX)
  - Nitrogen
  - Air compressors

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Hazards and safety requirements

- LOX

- Hazards

- Injury to personnel

- Fire or explosion when mixed w/petroleum products

- Requirements

- Only fully trained/qualified personnel operate or service LOX

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Hazards and safety requirements

- LOX

- Requirements

- Strict observance of safety and TOs

- Do not leave equipment hooked up to aircraft unattended

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Hazards and safety requirements

- LOX

- Requirements

- PPE

- » Head cover

- » Face shield (usually combined with head cover)

- » Heat protective leather gloves, cuffed, with cotton insert

- » Apron

- » Long-sleeved shirt

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Hazards and safety requirements

- Nitrogen

- Hazards

- Asphyxiation

- Explosion

- Requirements

- Only fully trained/qualified personnel operate or service nitrogen

- Handle compressed gas cylinders with care

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Hazards and safety requirements

- Nitrogen

- Requirements

- Ensure gas cylinder valves are tightly closed when not in use
      - Install protective cap over the valve when cylinder is not in use
      - Do not mix types of compressed gas cylinders in same storage area

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- Hazards and safety requirements

- Nitrogen

- Requirements

- Report suspected compressed gas leaks to supervisor

- PPE

- » Gloves

- » Face shield or goggles

- » Per applicable TO

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Hazards and safety requirements
  - Compressed air
    - Hazard – eye injury
    - Safety Requirements
      - Only fully trained/qualified personnel operate air compressors
      - Inspect chucks and valve stems
      - Do not over-inflate

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Hazards and safety requirements

- Compressed air

- Requirements

- Drain valve at lowest point to remove oil and water
      - Avoid bending or kinking air hose
      - Proper placement of hose to avoid tripping hazard
      - Inspect air lines and fittings before use

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.

- Hazards and safety requirements

- Compressed air

- Requirements

- PPE

- » Eye protection

- » Per applicable TO

- Do not use to clean clothes on body

- Diffuser installed on nozzle

- Pressure should not exceed 30 PSI

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- Summary

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- Nitrogen - Hazards and Safety Requirements

- Air Compressors - Hazards and Safety Requirements

## Complete exercise 3c

3c. Identify safety practices when working with compressed gases with at least 80% accuracy.