



How many potential issues can you highlight with the operation in the above picture?

1. What are the potential consequences?
2. What does it say in your on board risk assessment and procedures concerning hot work?
3. What does Code of Safe Working Practice say about hot work?
4. What steps can you take in order to protect yourself from any hazards when conducting hot work?

## 1. How many potential issues can you highlight with the operation in the above picture?

- **PPE** - The worker should be wearing the correct PPE as per chapter 24 of the COSWP 24.4.
- **Platform** - The work should be performed from a steady properly constructed platform.
- **Fire Watch** - There is no fire watch present.
- **Fire Extinguisher** - There is no fire extinguishing medium in the area.
- **Hot Work Permit** - There should be a hot work permit on site with the worker.
- **Barrier** - There is no apparent barriers or spark screens in place around the work area.
- **Combustibles** - The area is not entirely free of combustibles.
- **Pipe Supports** - Pipe supports in use look inadequate for the operation.
- **Lighting and Ventilation** - Possible inadequate lighting and ventilation for the space.

## 2. What are the potential consequences?

- Death.
- Personal injury.
- Serious damage to the vessel.
- The potential for fire or explosion to occur.

## 3. What does it say in your on board risk assessment and procedures concerning hot work?

Please refer to your company SMS and risk assessment for hot work.

## 4. What does Code of Safe Working Practice say about hot work?

Please refer to Chapter 24 – Hot Work, this can be [found here](#).

## 5. What steps can you take in order to protect yourself from any hazards while conducting hot work?

- Ensure all persons involved are suitably qualified and experienced.
- Always ensure that there are fire watches posted in suitable locations and on standby with a suitable fire fighting medium present.
- All equipment should be confirmed as correctly maintained, in good condition and set up correctly with the relevant safety devices in place.
- The area should have barriers in place, be well lit, well ventilated and free from combustible materials.
- Ensure suitable hot work barriers such as screens are in place to arrest any sparks from the work.
- Workers involved should have a documented tool box talk before commencing the task.

For further reference, also refer to our Loss Prevention Hot Spots on the safe use of Oxygen and Acetylene which can be [found here](#).