

Oxygen Service System Hazards

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Oxygen service systems present unique hazards that cause serious injuries and fatalities in virtually all industries in which oxygen is used. Oxygen practitioners become complacent because hazards are subtle and erratic. Ignitions are often unpredictable. Incidents are often unsolvable and events are often unrepeatabe.

The objective of this presentation is to increase oxygen service hazard awareness. Presentation will include information regarding the concentrated oxygen fire triangle, material flammability and ignition mechanisms as they relate to an oxygen system in an oil and gas facility.

Presentation will also include information pertaining to oxygen service piping system design and oxygen service metallic and non metallic material selection. Details of an oxygen service piping system incident will be presented with a Mpeg that shows burning carbon steel.