

<b>Talk No:</b> 33	<b>Title:</b> USE OF COMPRESSED GASES
<p><b>Introduction:</b> Compressed gases, including Liquefied Petroleum Gas (LPG), are used extensively on sites and provide a valuable source of energy. Misuse, however, can result in fires, serious accidents and injuries.</p>	
<p><b>Main points:</b></p> <ul style="list-style-type: none"> <li>– Treat all cylinders as full.</li> <li>– Regularly inspect hoses, cylinders and valves for damage and wear and tear.</li> <li>– The likes of Oxy/Acetylene cylinders should only be used by competent persons.</li> </ul> <p><b>Discussion points:</b></p> <ul style="list-style-type: none"> <li>– Keep cylinders away from the sun, artificial heat, flammable materials, corrosive chemicals, etc. Do not smoke in vicinity.</li> <li>– If a cylinder catches fire, then call the fire brigade. Cool the cylinder with water spray only if safe to do so.</li> <li>– Always have fire extinguishers located within reasonable proximity to any hot work being carried out. Use hot work permits if appropriate.</li> <li>– Ensure everyone knows fire procedures including alarm signal, evacuation routes, assembly area, and correct use of fire extinguishers (including types!)</li> <li>– Avoid damage to cylinder valves and fittings. Don't use them as carrying aids. Open valves slowly and close sufficiently to cut off gas supply – do not use excessive force.</li> <li>– Always secure cylinders in upright position. Ensure all cylinders are stored so that they cannot fall or roll.</li> <li>– Consider manual handling of cylinders – they are heavy! Use a trolley for full size cylinders or get assistance.</li> <li>– Always unload cylinders from lorries, vans, etc, by lifting – not by dropping/sliding.</li> <li>– Transport cylinders in vehicles with good ventilation – ensure relevant signs (compressed gases) are clearly displayed on vehicles.</li> </ul> <p style="text-align: center;"><b>PEOPLE CAUSE ACCIDENTS – NOT EQUIPMENT! LPG AND COMPRESSED GASES ARE VALUABLE “TOOLS” – BUT CAN BE LETHAL IF NOT USED CORRECTLY</b></p>	
<p><b>Notes:</b></p>	