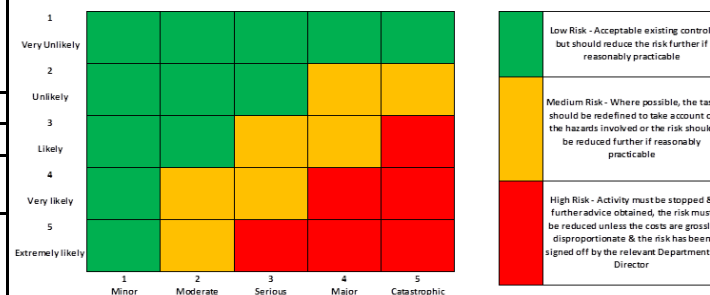


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| Assessment Title (Task, process, equipment or facility) | | Working with & Transporting Compressed Gases | |
| Location | Customer Premises & all applicable areas in TMHUK | Date | 01/04/2026 |
| | | Review date | 31/03/2027 |
| Prepared By (Team) | | QHS Team, Elaine Greaves (QHS Manager), Service Group | |
| Legal / Best Practice Requirements / links to other assessments (eg COSHH) | | PUWER / Manual Handling / CoSHH / ADR / CDR | |



| Hazard | Risk | Effect (Who / what affected) | Initial Risk | | | Current Controls (inc practices/ procedures) | Actual Risk | | | Additional Controls (inc practices/ procedures) | Action by and when |
|--|--|--|--------------|----------|------------|--|-------------|----------|------------|---|--------------------|
| | | | Likelihood | Severity | Risk Level | | Likelihood | Severity | Risk Level | | |
| Compressed gases entry into the blood stream through a break in the skin or body opening | Blocked artery causing a coma, paralysis or death | TMHUK employees / customer / 3rd party contractors / site visitors | 2 | 5 | M | 1. Specific training on the use and transportation of compressed gases is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 30-Carrying & Working with Gases). 3. All Welders are to follow the procedure detailed in SWP-30 - Carrying & Working with Welding Gases. 4. The appropriate CoSHH data sheets are available to all staff and should be carried in the welders vehicle. | 1 | 5 | L | All appropriate controls are in place that are reasonably practicable, no further action is necessary | |
| High concentrations | Asphyxiation (symptoms include loss of mobility & consciousness) | TMHUK employees / customer / 3rd party contractors / site visitors | 2 | 4 | M | 1. Specific training on the use and transportation of compressed gases is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 30-Carrying & Working with Gases). 3. All Welders are to follow the procedure detailed in SWP-30 - Carrying & Working with Welding Gases. 4. The appropriate CoSHH data sheets are available to all staff and should be carried in the welders vehicle. 5. The use of all welding gases must always be carried out in well ventilated areas. 6. Cylinders must be stored in well ventilated areas. | 1 | 4 | L | All appropriate controls are in place that are reasonably practicable, no further action is necessary | |
| May explode if heated | Various injuries to the upper & lower body / skin burns / possibility of death | TMHUK employees / customer / 3rd party contractors / site visitors / property & equipment damage | 2 | 4 | M | 1. Specific training on the use and transportation of compressed gases is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 30-Carrying & Working with Gases). 3. All Welders are to follow the procedure detailed in SWP-30 - Carrying & Working with Welding Gases. 4. The appropriate CoSHH data sheets are available to all staff and should be carried in the welders vehicle. 5. The use of all welding gases must always be carried out in well ventilated areas. 6. Cylinders must be stored in well ventilated areas. 7. Cylinders must not be subject to temperatures in excess of 50°C. 8. Keep away from sources of heat and direct sunlight. | 1 | 4 | L | All appropriate controls are in place that are reasonably practicable, no further action is necessary | |

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| Transport of cylinders in road vehicles | Escape of gas / falling cylinder / explosion | TMHUK employees / customer / 3rd party contractors / site visitors / general members of the public / property & equipment damage | 2 | 4 | M | 1. Specific training on the use and transportation of compressed gases is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 30-Carrying & Working with Gases). 3. All Welders are to follow the procedure detailed in SWP-30 - Carrying & Working with Welding Gases. 4. The appropriate CoSHH data sheets are available to all staff and should be carried in the welders vehicle. 5. The appropriate hazard diamond label must be attached to the vehicle. 6. Gauges & adaptors must be removed from the cylinder whilst in transit. 7. The cylinder must be secured in the vehicle with the use of a strap. 8. The cylinder must be stored up right in the vertical position. 9. Cylinders must be checked for general condition & leakage before transportation. 10. Ensure that the vehicle being used has adequate ventilation. 11. The trem card is to be carried at all times on board the vehicle. | 1 | 4 | L | All appropriate controls are in place that are reasonably practicable, no further action is necessary | |
| Basic MHE Manoeuvring | Physical injury, crushing, various injuries to the upper or lower body, property damage, equipment damage. | TMHUK Employees / customer / 3rd party contractors / site visitors | 2 | 4 | M | 1. All team members required to undertake basic manoeuvring of MHE are required to complete the TMHUK driver training program 2. Team members must adhere to all site safety rules, specifically in regard to pedestrian and transport movement, at all times. 3. TMHUK holds specific training records to evidence driver training and qualifications. 4. Driver training is refreshed every 5 years 5. Correct PPE must be worn at all times when operating MHE, eg Hi-Viz, safety shoes etc in accordance with SWP-32 PPE 6. All team members are to observe all MHE safety features when operating, including seat belts when driving if appropriate. | 1 | 4 | L | The team member must not use any MHE equipment they have not been trained for and inform their immediate manager and site contact if asked to do so. | |
| Manual Handling | Muscular injury to the upper body | TMHUK employees | 3 | 3 | M | 1. Specific training on general H&S is supplied via the TMHUK training programme. 2. The training will be supported by a Safe Working Practice (SWP 13 - Manual Handling). 3. All staff are to follow the procedure detailed in SWP-13 - Manual Handling. 4. If the load is considered to be heavy or awkward then Safe Working Practice SWP-06 Use of Lifting Equipment must be followed in order to assist the lift (use a trolley, hand truck etc..designed to transport cylinders). | 1 | 3 | L | All appropriate controls are in place that are reasonably practicable, no further action is necessary | |
| Non use of PPE | Various injuries to the human physique / possibility of death | TMHUK employees | 2 | 4 | M | 1. Specific training on the use of PPE is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 32-PPE). 3. It is mandatory for all welders to wear industrial shoes/boots, company overalls, industrial gloves & eye protection. 4. All welders will adhere to the customers site procedure and instructions regarding PPE requirements. | 1 | 4 | L | All appropriate controls are in place that are reasonably practicable, no further action is necessary | |

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| Young persons, by virtue of physical limitations, inexperience & the inability to recognise, or youthful disregard, for danger | Slips, trips, falls, injury / damage to property | TMHUK employees / customer / 3rd party contractors / site visitors | 2 | 4 | M | 1. SWP-30 (Carrying & Working with Welding Gases) gives specific instruction in respect of young people. 2. Reference must be made to HR Policy PS-029 in regard to young persons. | 1 | 4 | L | All appropriate controls are in place that are reasonably practicable, no further action is necessary | |
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