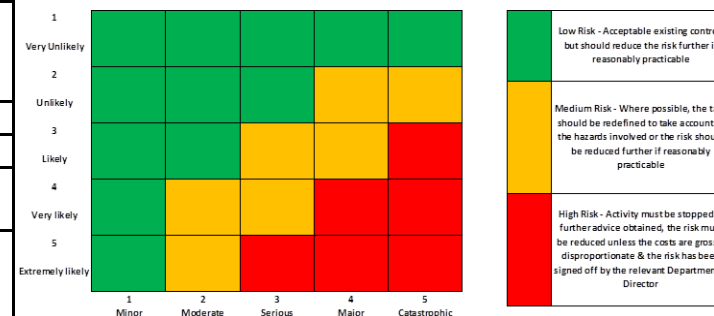


Assessment Title (Task, process, equipment or facility)		Working with Liquid Petroleum Gas (LPG) Engines	
Location	Customer Premises & Company Workshops	Date	01/04/2025
		Review date	31/03/2026
Prepared By (Team)		Michael Wright Site Technician, Richard Lewis	
Legal / Best Practice Requirements / links to other assessments (eg COSHH)		DSEAR / CoSHH / Safe Working with LPG fuelled motor vehicles (HSE Booklet: INDG 387)	



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		
Uncontrolled leakage	Cold burns / inhalation	TMHUK employees / customer / 3rd party contractors / site visitors / property & equipment damage	2	4	M	1. Specific training on Working with LPG Engines is supplied via the TMHUK training programme, giving advice on storage, changing of cylinders & working generally with LPG Engines. 2. The training will be supported by a Safe Working Practice (SWP 05-Working with LPG Engines). 3. All technicians are to follow the procedure detailed in SWP-05 - Working with LPG Engines. 4. Avoid working near other areas where the heavier than air gas could escape to and accumulate, such as pits, sewers etc 5. The appropriate CoSHH data sheet will be made available to all technicians.	1	4	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	
Exhaust fume inhalation	Respiratory Problems / long term health implications	TMHUK employees / customer / 3rd party contractors / site visitors / property & equipment damage	2	4	M	1. Specific training on Working with LPG Engines is supplied via the TMHUK training programme. 2. Trucks to be run for the minimum time as required. 3. Where possible LEV to be used when running trucks in a workshop, these should be attached to the exhaust and be subject to a regular test and maintenance program. 4. If no LEV is available then sufficient ventilation is to be available in the area. 5. Working over and use of inspection pits is to be avoided	1	4	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	

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		
Explosion when leakage & inadequate ventilation are combined	Cold burns / inhalation / fire	TMHUK employees / customer / 3rd party contractors / site visitors / property & equipment damage	2	4	M	1. Specific training on Working with LPG Engines is supplied via the TMHUK training programme, giving advice on storage, changing of cylinders & working generally with LPG Engines. 2. The training will be supported by a Safe Working Practice (SWP 05-Working with LPG Engines). 3. All technicians are to follow the procedure detailed in SWP-05 - Working with LPG Engines. 4. The appropriate CoSHH data sheet will be made available to all technicians. 5. Specific training on fire safety is supplied via the TMHUK training programme, which also includes emergency response. 6. The training will be supported by a Safe Working Practice (SWP 09-In Case of Fire).	1	4	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	
Carbon monoxide produced by incomplete combustion	Inhalation	TMHUK employees / customer / 3rd party contractors / site visitors	2	4	M	1. Specific training on Working with LPG Engines is supplied via the TMHUK training programme, giving advice on storage, changing of cylinders & working generally with LPG Engines. 2. The training will be supported by a Safe Working Practice (SWP 05-Working with LPG Engines). 3. All technicians are to follow the procedure detailed in SWP-05 - Working with LPG Engines. 4. The appropriate CoSHH data sheet will be made available to all technicians.	1	4	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	
Manual Handling	Muscular injury to the upper body	TMHUK employees / property & equipment damage	3	3	M	1. Specific training on Battery Maintenance and manual handling is supplied via the TMHUK training programmes. 2. The training will be supported by a Safe Working Practice (SWP 03-Battery/Handling Maintenance). 3. All technicians are to follow the procedure detailed in SWP-03 - Battery Handling/Maintenance. 4. Lifting equipment, maintenance tools & PPE will be supplied in accordance the SWP & QMS Tool procedures. 5. Specific instruction will be available in the operators manual and/or service manual for removal & refitting of batteries.	1	3	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	

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		
Contact with hot surfaces e.g exhausts & coolants	Burns	TMHUK employees	2	4	M	1. Specific training on general H&S is supplied via the TMHUK training programmes. 2. PPE including overalls and industrial gloves must be used.	1	4	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	
Moving mechanical equipment	Various injuries to the human physique / possibility of death	TMHUK employees / customer / 3rd party contractors / site visitors / property, equipment & environmental damage	2	4	M	1. Specific training on general H&S is supplied via the TMHUK training programmes.	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.	

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		
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 technicians to wear industrial shoes/boots & company overalls. 4. All technicians will adhered to the customers site procedure and instructions regarding PPE requirements. 5. Technicians will be supplied with the appropriate CoSHH data sheet.	1	4	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	
Young persons, by virtue of physical limitations, inexperience & the inability to recognise, or youthful disregard, for danger	Cold burns / burns / inhalation	TMHUK employees / customer / 3rd party contractors / site visitors	2	4	M	1. SWP-05 (Working with LPG Engines) gives specific instruction in respect of young people. 2. Reference must be made to HR policy PS-029 in regard to any young persons.	1	4	L	All appropriate controls are in place that are reasonably practicable, no further action is necessary	