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## Overview

This Standard is about testing, purging and relighting appliances in mobile catering vehicles that are fueled by liquefied petroleum gas (LPG). Liquefied petroleum gas(LPG) includes propane and butane.

This involves testing systems for soundness and compliance, purging gas supply, checking ventilation and flue systems, checking ambient conditions inside and outside of vehicle, carrying out pre-commissioning tests and checks and complying with regulations related to health and safety and gas safety.

This standard is for anyone responsible for testing, purging and relighting propane or butane appliances in mobile catering vehicles.

## Performance criteria

### *You must be able to:*

1. confirm all materials, tools and equipment necessary for testing, purging and relighting will be available as required
2. check materials tools and equipment are in a suitable condition for work activities
3. use materials, tools and equipment in line with manufacturers' instructions
4. make sure input services are free of damage and defects before commencing work
5. test input services and system for soundness using procedures that comply with industry requirements for the type of property or accommodation
6. carry out industry recognized visual checks for system leaks and wear and tear
7. check appropriate methods of jointing have been applied for the type of gas
8. confirm that system or component installation complies with industry requirements for the type of property or accommodation
9. check that installation meets the requirements specified in manufacturers' instructions
10. make sure components are in date
11. check that input services have sufficient capacity to support installation activities
12. check that input services are charged and available for use
13. check that ambient conditions inside and outside of vehicle comply with current legislation relating to emissions
14. check suitability of existing ventilation provision against industry requirements for the type of property or accommodation
15. check the continuity of flue systems when appropriate
16. purge supply to ensure system cleanliness in compliance with industry requirements for the type of property or accommodation
17. check system working pressures are within accepted parameters
18. relight appliances in line with health and safety and gas safety legislation
19. store materials, tools and equipment in line with safety requirements after use

## Knowledge and understanding

### *You need to know and understand:*

1. the materials, tools and equipment required and procedures for checking, using and storing them
2. system components including pipes, bottles and fittings and how they should be assembled and installed
3. regulatory and statutory requirements related to working with LPG including health and safety and gas safety
4. industry requirements for type of property or accommodation in which you are working including manufacturers' instructions, procedures
5. accepted checks on capacity, damage and defects of input services and system including soundness test, visual checks, pre-commissioning, commissioning checks
6. accepted parameters for, and correct reading of, pressure gauges
7. procedures for locating escapes
8. procedures for dealing with faulty pressure regulators
9. the differences between propane and butane and the implications of using different materials and consumables
10. the specific gravity of LPG vapour and its effect in relation to air and natural gas
11. vaporisation of LPG liquid and off take including the effects of temperature and limits of flammability
12. calorific value of liquefied petroleum gas and its relationship to natural gas
13. legislation which specifically relates to catering
14. specific ventilation requirements including siting and sizing of grilles, vents, canopies and ventilation hoods
15. the effects of cooking fumes on combustion
16. specific flue requirements including those relating to closed flue systems
17. check that input services to system components are suited to their intended purpose
18. procedures for lighting appliances

EUSLPG4

Test, purge and relight Liquefied Petroleum Gas (LPG) appliances in mobile catering vehicles



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