RelyOn Nutec
360° Safety

OBSRDL021

Authorised Gas Tester

Duration	240 Minutes
Target group	Oil & Gas Industry
Prerequisites	No prerequisites are required to sit this course.
Objective	Unit 1 - Authorised Gas Tester LO1: Confined space criteria LO2: The type of operations being tested for flammable and toxic gases LO3: The hazards of operations within an oxygen-enriched, oxygen-deficient, toxic or flammable environment LO4: Carrying out a suitable and sufficient risk assessments LO5: Understand the safe systems of work, how to work within the safe system of work and the associated responsibilities LO6: The implications of statutory and organisational requirements LO7: Interpreting operational requirements LO8: How to select, use and care for PPE and RPE LO9: How to access and interpret the relevant operational instructions LO10: The operating principles of atmosphere monitoring and measuring equipment and frequently observed failure modes LO11: The strengths and weaknesses of the various types of atmospheric flammable and toxic gas detection equipment LO12: How to correctly select between aspirating and non-aspirating detectors to obtain a representative sample of the atmosphere being tested LO13: Equipment required for testing for hydrocarbons in inert atmospheres LO14: Gas detector pre-start checks LO15: Determining the extent of the test boundaries LO16: Calibrating the instruments used in atmospheric testing LO17: Sources of assistance in the event of damaged or defective equipment LO18: How to interpret the results, to include both normal and abnormal LO19: How to document the results and advise relevant personnel Unit 2 - Testing for Flammable Gas in Preparation for Hot Work LO1: Hot work (any operation involving naked flames or producing heat and/or sparks or any operation that has spark potential) LO2: The type of operations being tested for flammable and toxic gases LO3: The principles of hot work gas testing LO4: The hazards and properties of flammable gases LO5: Acceptable levels of flammable gases and the correct amount of oxygen LO6: Carrying out a suitable and sufficient risk assessment before testing activities LO7: Using safe systems of work and understanding the associated responsibilities LO8: The different types of detectors used for the flammable product LO9: How to set up the relevant detector for each gas testing application and confirm its correct functioning LO10: The range and frequency of tests and monitoring and retesting requirements LO11: Where to site portable or transportable equipment that will be used to continuously monitor the atmosphere

Unit 3 – Confined Space Testing
LO1: The hazards and properties of flammable and toxic gases
LO2: The behaviour of different gases
LO3: The range and frequency of tests and monitoring and retesting after the initial entry
LO4: Acceptable levels of flammable and toxic gases and the correct amount of oxygen
LO5: The implications of WEL for toxic gases and LEL for flammable gases
LO6: How to set up the relevant detectors for each gas testing application and confirm functioning correctly
LO7: Performing gas tests in sequence
LO8: How to obtain representative atmosphere sample
LO9: Taking various samples to locate varying concentrations of gases and vapours
LO10: Importance of sampling confined spaces at a distance
LO11: Testing flammable gases in inert atmospheres
LO12: Where to site portable or transportable equipment that will be used to continuously monitor the atmosphere

Unit 4 - Gas Monitoring
LO1: Responsibilities of the Fire Watch
LO2: Responsibilities of the Standby Person
LO3: Responsibilities of the Gas Monitor role
LO4: Impact of environmental changes on working conditions
LO5: The importance of checking that the controls on the equipment are as specified
LO6: Sources of assistance and specialist support

Contents

The course is available in the following languages: English; Brazilian Portuguese; Spanish; Danish; Norwegian
This course has been designed to equip delegates with the knowledge to conduct gas testing within confined spaces and awareness of associated confined hazards. The authorised gas tester role is critical in testing for and ensuring safe working atmospheres, in particular: permit-controlled confined spaces, and prior to and during hot work.

Our course has been developed in bitesize learning chunks for each topic. At the end of each module, there will be an assessment. Delegates will need to pass each module at 100 percent.

The aim of this course is to teach you the requirements associated with gas detection. On successful completion, you will have the basic knowledge necessary to allow you to operate as an Authorised Gas Tester. You will be given two attempts at each module, and you must score 80 percent to pass.

Exam

The assessment is taken during the course and is within the expected duration.