

Summary of the:

GQA PAA\VQ-SET Level 3 Certificate in Engineering Skills for Technicians – Mechanical 603/1006/6

This qualification provides individuals with the knowledge and skills required by an operator to safely carry out mechanical engineering tasks within the sugar manufacturing process. The qualification covers: carrying out and managing general engineering and mechanical engineering tasks, working in a workshop, and working on gearboxes, maintaining and replacing pipework, working on belt conveyors, scrolls and elevators, drive belts, pulleys and couplings.

Establishing underpinning knowledge and understanding for individuals working in mechanical engineering within the sugar manufacturing process, this qualification is intended to be capable of delivery through both a taught programme of off-the-job learning or through workplace assessment (for those with access to the real workplace).

Learners must achieve 2 mandatory units.

What is required from candidates?

Qualifications are made up of a number of units that have a credit value or credits.

These credits must be achieved in the correct combination from mandatory units: this qualification has 4 mandatory units and 1 optional unit

The units are made up of the things you need to know and the things you need to be able to do to carry out your job safely and correctly. These are called Learning Outcomes, and all must be met to achieve the unit.

Qualifications are now required to indicate the total qualification time (TQT), this is to show the typical time it will take someone to attain the required skills and knowledge to meet the qualification criteria, this qualification has a TQT of 212 hours.

Qualifications are also required to indicate the number of hours of teaching someone would normally need to receive in order to pass the qualification. These are referred to as Guided Learning Hours (GLH). The GLH for this qualification is 119 hours.

Unit Number	Unit Name
BS 16k	Engineering knowledge skills for Technicians - Mechanical
BS 16c	Engineering Skills for Technicians - Mechanical

Assessment Guidance:

Evidence should show that you can complete all of the learning outcomes for each unit being taken.

Types of evidence:

Evidence of performance and knowledge is required. Evidence of performance should be demonstrated by activities and outcomes, and should be generated in the workplace only, unless indicated under potential sources of evidence (see below). Evidence of knowledge can be demonstrated through performance or by responding to questions.

Quantity of evidence:

Evidence should show that you can meet the requirements of the units in a way that demonstrates that the standards can be achieved consistently over an appropriate period of time.

Potential sources of evidence:

The main source of evidence for each unit will be observation of the candidate's performance and knowledge demonstrated during the completion of the unit. This can be supplemented by the following types of physical or documentary evidence:

- Accident book/reporting systems
- Photo/video evidence

- Safety records
- Training records
- Audio records
- Job specifications and documentation
- Delivery Records
- Witness testimonies
- Correspondence with customers
- Notes and memos
- Work diaries
- Timesheets
- Telephone Logs
- Meeting records
- Records of toolbox talks
- Equipment
- Prepared materials and sites
- Completed work

Please Note that photocopied or downloaded documents such as manufacturers' or industry guidance, H&S policies, Risk Assessments etc, are not normally acceptable evidence for GQA unless accompanied by a record of a professional discussion or Assessor statement confirming candidate knowledge of the subject. If you are in any doubt about the validity of evidence, please contact your GQA External Verifier.

