



Australian Government

Assessment Requirements for AHCLSK360 Service and repair bores and windmills

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Release 11.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has serviced and repaired bores and windmills on at least one occasion, and has:

- applied relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures
- recognised and reported workplace health and safety hazards and used safe work practices
- applied basic diagnostic techniques
- recognised faults and deterioration of components and carried out repairs to bore, mill heads and pumps to ensure the full function and flow of water supplies
- selected and matched tools and equipment with work requirements
- read and interpreted workplace policy, maintenance plans, manufacturer specifications and Safety Data Sheets (SDSs)
- effectively communicated with contractors and supervisor, and recorded and reported maintenance details and outcomes
- calculated volumes, and measured speed, flow rates and distance
- maintained all components of bores and windmills
- carried out testing procedures to determine correct operation
- referred to bore histories for troubleshooting.

Knowledge Evidence

An individual must be able to demonstrate knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace requirements applicable to health and safety in the workplace for servicing and repairing bores and windmills, including appropriate use of personal protective equipment (PPE)
- environment and biosecurity legislation and regulations and workplace practices relevant to servicing and repairing bores and windmills

- principles and practices for servicing and repairing bores and windmills, including:
 - construction of bores and windmills and maintenance requirements
 - diesel engine components, maintenance requirements and repair procedures
 - working principles of diesel engines
 - drive systems and components
 - types and uses of lubricants and other servicing materials
 - servicing characteristics of bores and windmills
 - types, characteristics, uses and limitations of hand and power tools
 - basic diagnostic processes and techniques.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - work instructions and workplace procedures applicable to servicing and repairing bores and windmills
 - tools, equipment and materials applicable to servicing and repairing bores and windmills
 - PPE applicable to servicing and repairing bores and windmills
- specifications:
 - workplace requirements applicable to health and safety in the workplace for servicing and repairing bores and windmills
 - environment and biosecurity legislation and regulations and workplace practices applicable to servicing and repairing bores and windmills
 - manufacturer specifications for bores and windmills
- relationships:
 - contractors and supervisor
- time frames:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>