



Australian Government

Assessment Requirements for FWPHAR3224 Operate crawler tractor

Release: 2

Assessment Requirements for FWP HAR3224 Operate crawler tractor

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 4.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 3.0.

Performance Evidence

An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- planned, prepared and safely and effectively operated a crawler tractor to move products and/or slash in line with a production plan
- checked risks associated with the operation and applied standard operating procedures
- followed production plan requirements and site safety and environmental management plan
- determined suitability and stability of crawler tractor for operation and safe working load limits by considering machine and equipment specifications, terrain characteristics and type and size of stems and/or logs to be moved
- adjusted machine driving and positioning technique in response to terrain conditions
- applied machine manipulation techniques to move products and/or slash and minimise damage to products, machine and surrounding environment in line with the production plan requirements
- placed and stacked products for efficient extraction in line with the production plan requirements
- communicated effectively with others in the work area
- shut down, de-energised and isolated machine in line with workplace procedures and operator's manual
- carried out routine maintenance on crawler tractor parts.

Knowledge Evidence

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

- information and requirements contained in a production plan and site safety and environmental management plans

- hazardous or safe working zones in forest harvesting operations
- health and operational hazards or risks related to crawler tractor operations and factors that can change or introduce new hazards
- industry-accepted work health and safety risk control measures, legal obligations of the current Work Health and Safety Acts or Occupational Health and Safety Acts and regulations, and requirements of industry standards and/or codes of practice for crawler tractor operations as outlined in workplace procedures and production plan
- industry-accepted warning signs, their correct positioning, vehicle-to-vehicle communication systems and procedures to maintain communication and work safety during crawler tractor operations
- required emergency response procedure including firefighting resources and emergency response
- potential impacts of crawler tractor operations on onsite and offsite environmental values including cultural heritage, flora, fauna, ground compaction, water contamination and soil erosion
- industry-accepted environmental control measures, environmental restrictions, legal obligations of the current Environment Protection Acts and regulations and requirements of industry standards and/or codes of practice for crawler tractor operations as outlined in workplace procedures and production plan
- landings usage
- typical location of loading and/or landing site
- tree felling patterns
- extraction methods
- wood flow requirements and extraction and production bottlenecks particular to a production system
- techniques particular to a production system to avoid mechanical damage to stems and logs during moving and stacking; position and stack logs for efficient extraction
- effects of weather on ground conditions
- effects of slope and terrain conditions on crawler tractor stability and operation
- machine specifications, restrictions, applications and safe operating procedures, including stability and operation in different terrain conditions, slopes and road types and methods to shut down, de-energise and isolate the machine as outlined in workplace procedures or operator's manual
- using machine cabin controls
- techniques for safe and efficient driving of crawler tractor
- methods to conduct machine pre-operational checks and detect faults as outlined in workplace procedures or operator's manual
- location of machine's major mechanical systems and parts of the machine in which energy is stored as outlined in operator manuals for safe and efficient conduct of the machine operator maintenance tasks
- machine maintenance and servicing requirements as outlined in user and operator manuals
- industry-accepted reporting requirements regarding site, incident and hazard, personal reporting, check-in, production, machine maintenance and block completion.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest harvesting site or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - crawler tractor
 - suitable stems/logs and/or slash to be moved
 - personal protective equipment required in harvesting operations
 - vehicle-to-vehicle communication system
- specifications:
 - access to workplace policies and procedures which cover current Work Health and Safety Acts or Occupation Health and Safety Acts, regulations and related industry standards and codes of practice applicable to forest harvesting operations
 - access to workplace policies and procedures which cover current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to forest harvesting operations
 - access to production plan and site safety and environmental management plans
 - access to site emergency procedure
 - access to workplace standard operating procedures for single grip harvester or operator's manual
 - access to user manual for vehicle-to-vehicle communication system

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=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>