

<b>Prerequisite competency completion</b>		
Has the candidate successfully completed the <b>required prerequisite units for AHCARB206 Operate and maintain stump grinding machines?</b>	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
AHCARB210 Work effectively in the arboriculture industry		
HLTAID003 Provide first aid		
<b>Required assessment forms completion</b>		
Has the candidate successfully completed the <b>required forms?</b>	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
AHCARB206A Stump grinding pre-operational and safety check form		
AHCARB206D Stump grinding operator log record		
AHCARB206C Stump grinding maintenance check form		
AQF 2C Risk assessment form		
AQF 2F Work operations form		
<p>Note: Hazard identification, risk control and emergency preparation are incorporated in AQF 2C Risk assessment form. Equipment and PPE check form is incorporated in AHCARB206A Stump grinding pre-operational and safety check form. Maintenance log record is incorporated in AHCARB206C Stump grinding maintenance check form. Work communications, Work site operations and Work records are incorporated in AQF 2F Work operations form.</p>		
<b>Mandatory Equipment - Stump-grinding</b>		
Has each of the mandatory equipment items been used to gather evidence for assessment?	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
stump grinder		
sharpening equipment		
refuelling kit		
spill kit		
emergency communication system		
personal protective equipment (PPE)		
first aid and emergency kit		
traffic management kit		
signage – work zone		
tree stumps		

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<b>Knowledge Evidence – Stump-grinding</b>		
Has the candidate successfully completed the <b>Knowledge Evidence</b> requirements by demonstrating knowledge of each of the line items below?	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
<b>Stump grinder specific risk assessment</b>		
site risk assessment systems		
site hazard identification methods		
<b>Blunt or incorrectly set teeth</b>		
symptoms of blunt or incorrectly set teeth		
understanding what blunts teeth and how to minimise this		
when dull or blunt teeth should be retained and used		
the impact of dull or blunt teeth on grinding		
increased vibration		
increased fatigue to operator along with increased time to grind the stump		
increased fatigue on machinery parts in particular, bearings, folds and welds		
increased fatigue on teeth resulting in increased breakage and tooth throw		
increased dust production		
<b>Control measures</b>		
work health control measures		
safety control measures		
use of low risk work procedures		
using and complying with Safe Work Method Statement documentation		
environmental control measures		
traffic control measures		
<b>site control measures</b>		
methods of locating services		
depth below ground of stump grinding works		
exposing stump surrounds manually and check for and remove foreign bodies		
<b>stump grinding operations</b>		
cutting plan		
planning a series of passes across the stump		
cutter head engagement and disengagement		

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exclusion zones		
engaging cutter head into stump surface		
maintaining engine speed in revolutions-per-minute (rpm)		
engine speed (rpm)		
ensuring grinding process is accurate, smooth and ergonomic		
recommended depths of cut:		
▪ ensuring the cut size of each pass is not excessively deep		
▪ causes of the machine to labour excessively or to stall		
methods of determining spread and depth of cut		
grinding stump to predetermined spread and depth		
disengaging cutter head if risk of making unwanted contact		
abnormal vibration		
disengaging cutter head and ensure a complete stop before moving to a new stump		
maintenance of stump grinders		
methods of teeth replacement		
<b>work procedures - specific to stump grinding</b>		
unload stump grinder machine		
positioning machine level within recommended ranges to avoid rollover		
positioning of stump grinders and operator		
avoiding holes with machine wheels		
positioning machine to minimise impact from flying debris		
positioning operator in low risk position		
positioning operator to provide a clear view of the stump		
confirming work zone cleared prior to starting cutter head		
positioning cutter head over stump		
damage to services and surrounding areas		
repositioning machine away from ground stump		
waiting and remaining clear of cutter head until cutter head stops moving		
removing build-up of grindings		
making check in calls at prearranged times		
inspecting grinder as required between stumps and when refuelling		
stopping the engine before refuelling and allow engine to cool as required		
replacing and securing fuel cap		

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methods of back-filling		
loading grinder		
securing grinder for transport		
<b>Work site operations</b>		
site location and details		
exclusion zones		
work zone		
damage to services and surrounding areas		
appropriate methods of collecting waste material		
appropriate methods of disposal		
appropriate methods of recycling		
environmental implications of removal activities		
clean and safe work areas		
<b>Performance evidence – Stump-grinding</b>		
Has the candidate successfully demonstrated the <b>Performance Evidence</b> requirements - demonstrating and being observed removing stumps using a motorised stump grinder using low-risk work procedures, in accordance with the unit of competency <b>AHCARB206 Operate and maintain stump grinding machines, and as per listed line items below?</b>	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
determining site location and details and clarifying with supervisor		
determining the depth below ground of stump grinding works		
determining and confirm location and depth of above-and-below-ground services		
unload stump grinder machine		
undertaking a site-specific risk assessment by identifying work health and safety hazards and assessing risk		
checking maintenance log complete and up to date		
checking belts appropriately tensioned and in good order		
checking teeth are sharp		
checking no teeth are missing or loose		
checking tyre pressure is correct or tracks are appropriately tensioned		
checking levels of oils and fluids		
checking hoses		
checking brakes are operational		
checking cutter head rotates freely and is not obstructed		

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checking guards for belt, power take-off (PTO) and grinder head are in place		
checking kill switch clearly identifiable and working		
checking that dead-man is working if fitted		
checking debris curtain present and in good order		
checking dust suppression system is working if fitted		
selecting and use appropriate personal protective equipment		
confirming first aid and emergency personnel, equipment and procedures		
exposing stump surrounds manually and check for and remove foreign bodies		
moistening surrounds as required		
recording and implementing work health, safety, site, environmental and traffic control measures		
determining exclusion zone for work operations		
isolating exclusion zone with barriers and signs		
positioning machine level within recommended ranges to avoid rollover		
avoiding holes with machine wheels		
positioning machine to minimise impact from flying debris		
positioning operator in low risk position		
positioning operator to provide a clear view of the stump		
locating safety screens as required		
communicating with work team during operations using voice, hand and whistle signals		
confirming work zone cleared prior to starting cutter head		
planning to complete a series of passes across the stump		
starting cutter head		
stopping work if exclusion zone is breached and disengage cutter head if required		
positioning cutter head over stump		
engaging cutter head into stump surface		
maintaining engine speed in revolutions-per-minute (rpm)		
ensuring grinding process is accurate, smooth and ergonomic		
grinding stump to recommended depth of cut on each cutting pass		
ensuring the cut size of each pass is not excessively deep causing the machine to labour excessively or to stall		
grinding stump to predetermined spread and depth		

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operating equipment without damaging underground services and surrounding areas		
repositioning machine away from ground stump		
disengaging cutter head if risk of making unwanted contact		
waiting and remaining clear of cutter head until cutter head stops moving		
removing build-up of grindings		
making check in calls at prearranged times		
inspecting grinder as required between stumps and when refueling		
shutting down immediately if abnormal vibration and/or noise develops		
stopping the engine before refueling and allow engine to cool as required		
following safe work method statement instructions for refueling		
replacing and securing fuel cap before restarting		
disengaging cutter head and ensure a complete stop before moving to a new stump		
back-filling stump hole to original ground level		
maintaining clean and safe work area throughout work and upon completion		
collecting waste material and dispose of or recycle in a manner causing minimal environmental damage		
cleaning, maintaining and storing tools and equipment		
performing basic maintenance, including sharpening grinder and replacing teeth as required		
loading grinder in accordance with safe work method statement		
securing grinder for transport		
updating records of operator usage in log record		
updating records of maintenance and replacement items.		
<b>Assessment conditions</b>		
It is an industry requirement for competency in this unit that assessment includes documented records of risk assessments, pre-operational and safety check forms, tool-box meetings and demonstrated experience on stump-grinding machines.		
Have the assessments incorporated the assessment conditions and met the industry requirements for competency in this unit <b>as per listed line items below?</b>	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
A minimum of <b>four (4)</b> site-specific risk assessments are to be completed and attached.		

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A minimum of <b>four (4)</b> pre-operational and safety check forms are to be completed and attached.			
A minimum of <b>four (4)</b> tool-box meetings discussing stump-grinding are to be attended, recorded and attached.			
Demonstrated and documented experience using manual and hydraulic-articulated stump-grinding machines.			
Assessment may be conducted in a simulated or real work environment; however, determination of competency requires the application of work practices under work conditions.		<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
Have assessments been demonstrated consistently over time?			
Have assessments been demonstrated in a suitable range of contexts?			
Have assessments been demonstrated with a productivity-based outcome?			
Have assessments been demonstrated with multiple assessment events and reports?			
It is an industry requirement for competency in this unit that assessment includes a log record, verifying <b>ten (10) hours</b> of operating a stump grinder, and <b>five (5) hours</b> of unloading and loading, setup and pre-operational and safety checks, preparatory work, backfilling and cleaning up, sharpening and basic maintenance, performed by the candidate.			
Has the candidate successfully completed the <b>Log Record</b> requirements of 10 hours of stump-grinder operation?			
Has the candidate successfully completed the <b>Log Record</b> requirements of five (5) hours of unloading and loading, setup and pre-operational and safety checks, preparatory work, backfilling and cleaning up, sharpening and basic maintenance?			
<b>Assessor Declaration</b>			
<b>Assessors must satisfy current standards for RTOs in the assessment of arboriculture units of competency.</b>		<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
<b>Has assessment been conducted only by persons who have:</b>			
<ul style="list-style-type: none"> <li>• arboriculture vocational competencies at least to the level being assessed?</li> </ul>			
<ul style="list-style-type: none"> <li>• current arboriculture industry skills directly relevant to the unit of competency being assessed</li> </ul>			
<b>Assessor name</b>	<b>Assessor qualification</b>	<b>Year</b>	<b>Full Signature</b>

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<b>Competency Determination</b>		
This section determines the skills and knowledge required to operate motorised stump grinding machines to remove tree stumps from the ground.		<b>Competent /Not yet competent</b>
<b>The candidate is competent in operating motorised stump grinding machines to remove tree stumps from the ground.</b>		
<b>Competency Assessment Completion</b>		
<b>Assessor name</b>	<b>Date</b>	<b>Full Signature</b>

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