



Australian Government

Department of Education, Employment and Workplace Relations

FPICOT2204A Maintain chainsaws

Release: 1

Modification History

Not Available

INTRODUCTION

Unit Descriptor	This unit describes the outcomes required to carry out the routine maintenance of both engine and electrically operated hand-held chainsaws This unit replaces FPIC2007A Maintain chainsaws
Application of the Unit	This unit supports the attainment of skills and knowledge required for competent workplace performance in forest and forest products operations of all sizes. The unit applies to a forest environment and involves application of skills and knowledge at a production worker level. These skills and knowledge are to be used within the scope of the person's job and authority
Unit Sector	Common Technical

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare	<p>1.1 Applicable Occupational Health and Safety (OHS), legislative and organisational requirements relevant to the maintenance of chainsaws are identified and complied with</p> <p>1.2 Suitable personal protective equipment and/or clothing is selected, used and maintained</p> <p>1.3 Work order is reviewed and clarified with appropriate personnel</p> <p>1.4 Tools, equipment and materials are selected appropriate to work requirements and checked for operational effectiveness in accordance with manufacturer's recommendations</p> <p>1.5 Potential and existing risks and hazards in the work area are identified and controlled</p>
2. Clean and check chainsaw components	<p>2.1 Routine checks and maintenance procedures are conducted in accordance with manufacturer's recommendations</p> <p>2.2 Chainsaw and chainsaw body are cleaned, inspected and condition determined</p> <p>2.3 Air filter and spark plug are removed, cleaned, checked and replaced or reinserted</p> <p>2.4 Chain is checked for wear and condition, and sharpened, adjusted</p>

or replaced as required

2.5 Serviced chainsaw components are reassembled and checked for operational effectiveness

3. Complete maintenance

3.1 Records and reports are accurately completed, processed and maintained in accordance with workplace procedures

3.2 Chainsaw faults, malfunctions or irregular operation are identified, tagged and reported for repair

3.3 Malfunctions, faults, wear or damage to tools and equipment are reported for repair or replacement

3.4 Tools and equipment are cleaned, maintained and stored in accordance with manufacturer's recommendations and workplace procedures

3.5 Work area is cleared and waste materials disposed of or recycled in accordance with organisational environmental policies and procedures

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

- Required skills include:
- comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for maintaining chainsaws
 - review and accurately identify work requirements
 - use and maintain relevant tools, machinery and equipment
 - identify problems and equipment faults and demonstrate appropriate response procedures
 - use appropriate communication and interpersonal techniques with colleagues and others
 - conduct and complete routine maintenance procedures
 - read and interpret maintenance plans and specifications
 - accurately locate, record and report information

- Required knowledge and understanding includes:
- basic knowledge and understanding of applicable Commonwealth, State or Territory legislation, regulations, standards and codes of practice relevant to the full range of processes for maintaining chainsaws
 - organisational and site standards, requirements, policies and procedures for maintaining chainsaws
 - established communication channels and protocols
 - environmental protection requirements, including the safe disposal of waste material
 - principles of cultural diversity and access and equity
 - problem identification and resolution
 - types of tools and equipment and procedures for their use, operation and maintenance
 - types, functions, specifications and operational principles of chainsaws
 - chainsaw routine maintenance procedures
 - common fault finding techniques
 - hazards and risks when maintaining chainsaws
 - appropriate mathematical procedures for estimating and measuring, including calculating time to complete tasks
 - procedures for recording and reporting workplace records and information

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording in the Performance Criteria is detailed below

OHS requirements are to be in accordance with Commonwealth, State or Territory legislation and regulations, and organisational safety policies and procedures. Requirements may include:

- the use of personal protective equipment and clothing
- safety equipment
- first aid equipment
- fire fighting equipment
- hazard and risk control
- elimination of hazardous materials and substances
- safe forest practices including required actions relating to forest fire
- manual handling including shifting, lifting and carrying

Legislative requirements are to be in accordance with applicable legislation from all levels of government that affect organisational operation. Requirements may include:

- award and enterprise agreements
- industrial relations
- Australian Standards
- confidentiality and privacy
- OHS
- the environment
- equal opportunity
- anti-discrimination
- relevant industry codes of practice
- duty of care
- and heritage and traditional land owner issues

Organisational requirements

- may include legal, organisational and site guidelines, policies and procedures relating to own role and responsibility, quality assurance, procedural manuals, quality and continuous improvement processes and standards, OHS, emergency and evacuation, ethical standards, recording and reporting, access and equity principles and practices, equipment use, maintenance and storage, environmental management (waste disposal, recycling and re-use guidelines)

- | | |
|---|--|
| Chainsaws | <ul style="list-style-type: none">• may be engine or electrically operated hand-held |
| Appropriate personnel | <ul style="list-style-type: none">• may include supervisors, clients, colleagues, line management |
| Hazards | <ul style="list-style-type: none">• may include exposure to loud noise and exhaust fumes, mechanical vibration, vibration injury, hazardous substances (fuel), cuts and hot surfaces |
| Routine checks and maintenance procedures | <ul style="list-style-type: none">• may include pre-start checks, inspections of chainsaw body, checking or replacement of worn chain and/or sprocket, chain guards and chain sprockets, checks of air filters and spark plugs, checks and adjustments of chain tension, oil and fuel, replacement of worn or faulty parts, assessment of saw sharpness, cutter bar, starter cord inspection and replacement, basic cleaning, exhaust system for fire safety |
| Chain checks | <ul style="list-style-type: none">• may include checks and adjustments to chain (loosening/removal of guards/bards to provide access to adjustment, adjustment of tension, replacement of guards/bars), replacement of worn chain/depth gauges (each tooth of chain is checked for condition, replacement of worn sprockets/chain), sharpening of chain (chain is sharpened using grinder or hand filing methods) |
| Records and reports | <ul style="list-style-type: none">• may detail maintenance outcomes, faults, malfunctions and damage, hazards and incidents• may be manual, using a computer-based system or another appropriate organisational communication system |

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package

Overview of Assessment	<ul style="list-style-type: none">• A person who demonstrates competency in this unit must be able to provide evidence that they can carry out safely and efficiently a routine maintenance service and adjustment of chainsaws
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<ul style="list-style-type: none">• Comply with applicable Commonwealth, State or Territory legislative and regulatory requirements and codes of practice, including OHS, environmental and organisational policies and procedures, relevant to maintaining chainsaws• Conduct efficient routine maintenance and adjustment procedures of chainsaws• Select and use appropriate tools, equipment and materials• Identify and diagnose chainsaw faults, malfunctions or irregular operation• Maintain effective communication with others in the workplace
Context of and specific resources for assessment	<ul style="list-style-type: none">• Competency is to be assessed in the workplace or realistically simulated workplace• Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints• Assessment of essential underpinning knowledge, other than confirmatory questions, will usually be conducted in an off-site context• Assessment is to comply with relevant regulatory or Australian Standards requirements• The following resources should be made available:<ul style="list-style-type: none">• workplace location or simulated workplace• materials and equipment relevant to maintaining chainsaws• specifications and work instructions
Method of assessment	<ul style="list-style-type: none">• Assessment must satisfy the endorsed Assessment Guidelines of the FPI05 Training Package• Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge• Assessment must be by direct observation of tasks, with questioning on underpinning knowledge and it must also reinforce the integration of key competencies• Assessment methods must confirm the ability to access and

correctly interpret and apply the essential underpinning knowledge

- Assessment may be applied under project-related conditions (real or simulated) and require evidence of process
- Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances
- Assessment may be in conjunction with assessment of other units of competency
- The assessment environment should not disadvantage the candidate
- Assessment practices should take into account any relevant language or cultural issues related to Aboriginality, gender or language backgrounds other than English
- Where the participant has a disability, reasonable adjustment may be applied during assessment
- Language and literacy demands of the assessment task should not be higher than those of the work role

KEY COMPETENCY LEVELS

The seven key competencies represent generic skills considered necessary for effective participation by an individual in the workplace. Performance Level 1 at this level, the candidate is required to undertake tasks effectively. Performance Level 2 at this level, the candidate is required to manage tasks. Performance Level 3 at this level, the candidate is required to use concepts for evaluating and reshaping tasks.

Key Competency	Performance Level	Example of Application
Communicating ideas and information	1	By communicating in simple language to confirm work requirements, convey information and requests to colleagues, and report and record work outcomes
Collecting analysing and organising information	1	By collecting, organising and understanding information required to undertake the maintenance of chainsaws
Planning and organising activities	1	By organising work activities in the correct sequence and complete within designated timeframes
Working with others and in teams	1	By using effective communication and interpersonal techniques with colleagues and others to maximise confidence, satisfaction and productivity in the workplace
Using mathematical ideas and techniques	1	By calculating time to complete tasks and estimating tools, equipment and material requirements
Solving problems	1	By establishing safe and effective work processes which anticipate likely problems to avoid wastage and downtime
Using technology	1	By selecting and using business equipment/technology to prepare and maintain

		workplace documentation
--	--	-------------------------