Carry out routine maintenance of chainsaw and cutting system



Overview

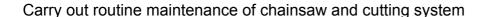
This standard is about carrying out the routine maintenance of a chainsaw and cutting system, including the guide bar.

Chainsaws used in aerial and groundwork are covered by this standard.

This work could be carried out in a workshop or a woodland environment.

When working with chemicals and machinery you need to be appropriately trained, and hold current certification where required, in line with relevant legislation.

Your work must conform to all relevant legislation and codes of practice when carrying out this work.

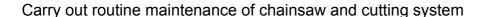




Performance criteria

You must be able to:

- 1. assess the risks associated with the site and the proposed work
- 2. select and implement appropriate working methods in accordance with the assessed risks
- 3. select and wear the personal protective equipment (PPE) suitable for the routine maintenance
- 4. identify that safety features on the chainsaw are present and functioning
- 5. select the appropriate maintenance tools for the chainsaw power unit and cutting systems, in accordance with the manufacturer's requirements
- 6. inspect, clean, service and maintain the chainsaw power unit, in accordance with the manufacturer's requirements and industry guidelines
- 7. inspect components within the chainsaw power unit
- 8. inspect and maintain the cutting system, in accordance with the manufacturer's recommendations, using the appropriate tools
- 9. replace damaged, missing or worn components
- 10. report any defects appropriately this could be verbal or written
- 11. reassemble the chainsaw and the cutting system to an operational standard
- 12. carry out routine maintenance, pre-start checks and set the chainsaw for use
- 13. maintain appropriate records
- 14. maintain the health and safety of yourself and others at all times, in accordance with relevant legislation





Knowledge and understanding

You need to know and understand:

- 1. how to identify hazards and assess risks
- 2. how to interpret risk assessments
- 3. the selection, use and care of personal protective equipment (PPE)
- 4. emergency planning and procedures relevant to the work
- 5. how to use a maintenance checklist/report sheet
- 6. the reasons why safety features are fitted to chainsaws and how they function
- 7. the key areas to keep clear of debris during the operation
- 8. the key points of operational safety of a chainsaw and cutting system
- 9. the function and maintenance requirements of individual components
- 10. how to identify the key indicators of the correct chainsaw set up of the individual components
- 11. the reasons why it is important to check the chain and guide bar for wear and damage
- 12. the symptoms and problems encountered when the chain and guide bar are worn, damaged or poorly maintained and how to deal with them within your own level of responsibility
- 13. how to check the compatibility of the guide bar, sprocket and chain
- 14. the acceptable limits of component wear to the cutting system before replacement is necessary
- 15. the procedures to follow if damage or wear to components exceeds the recommended limits
- 16. the importance of selecting the correct file and gauge sizes when sharpening and setting the depth of cut on the chain, and where to obtain the specifications
- 17. how a cutting chain works
- 18. the different chain types and their application
- 19. why it is important to maintain chainsaws and the cutting system to a high standard
- 20. why records of chainsaw and cutting system maintenance are kept
- 21. the steps to be taken when a chainsaw or cutting system is not repairable, is faulty or is non-operational
- 22. the importance of checking how well problems encountered with the chainsaw and components were dealt with
- 23. your responsibilities under relevant environmental and health and safety legislation and codes of practice



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Scope/range

Clean, service and maintain the power unit including its:

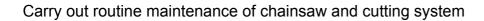
- spark plug
- air filter
- starter mechanism
- chainbrake
- · fuel and oil filters
- · oil systems

Inspect the following components:

- · clutch mechanisms
- exhaust (excluding powered pole pruners)

Inspect and maintain the following parts of the cutting system:

- compatible chain guide bar
- chain
- sprocket combination





Glossary

Routine – corrective and preventative maintenance that is carried out daily or at regular intervals by the operator prior to and during work.

LANTw19



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