
Overview

This standard covers the skills and knowledge required to carry out routine maintenance, checking the condition of machinery, tools and equipment, arranging for repair or replacement when required and working in ways which maintain your own and others' safety.

It is about maintaining the machinery, tools and equipment used to produce wood chips, wood pellets, wood briquettes, firewood or charcoal.

Performance criteria

You must be able to:

1. comply with health and safety requirements and procedures at all times
2. check condition of machinery, tools and equipment on a regular basis
3. sharpen cutting edges to keep them in effective working condition
4. oil and grease machinery, tools and equipment as required to prevent damage and to maintain effectiveness
5. check sufficient stocks of consumables and spares are kept following standard operating procedures
6. replace consumables and parts as required to ensure efficient production
7. keep machinery, tools and equipment clean and free from dust and debris following standard operating procedures
8. use suitable tests to check the condition of machinery, tools or equipment following standard operating procedures
9. identify machinery components, tools and equipment that are damaged and remove them for repair
10. identify any machinery components, tools or equipment which are beyond repair
11. consult with others when beyond your level of expertise following standard operating procedures
12. arrange for repair or replacement of faulty machinery, tools or equipment following standard operating procedures
13. confirm machinery, tools or equipment are of the required performance accuracy
14. check machinery, tools and equipment are stored safely when not in use
15. maintain machinery tools, equipment, oils and greases following safe working practices
16. wear appropriate personal protective equipment (PPE) for the work you are doing following standard operating procedures

Knowledge and understanding

You need to know and understand:

1. legal duties for health and safety in the workplace and legislation covering your job role
2. machinery and components used in wood fuel production
3. how to select appropriate machinery to produce the right specification of fuel
4. what to look for when checking the condition of machinery, tools and equipment
5. effect that wood resins and moisture can have on machinery, tools and equipment
6. implications on wood fuel production of not keeping machinery, tools and equipment maintained and free of dust and debris
7. potential hazards from defective and faulty machinery, tools and equipment
8. where and how often to oil and grease machinery, tools and equipment and oils or greases to use
9. how to calculate the likely consumption of consumables and parts
10. importance of storing machinery, tools and equipment properly
11. how to test machinery, tools and equipment for performance accuracy
12. types of damage that can occur and how to recognise damage that can be repaired as well as damage that cannot be repaired
13. what to look for when assessing the condition of machinery, tools and equipment and what needs to be done to bring them into a working state
14. how to arrange for repair or replacement
15. how to recognise machinery, tools or equipment that are damaged and need more than routine maintenance to bring them into working condition
16. relevant risk assessment and control measures set by your organisation

PROWFP4

Maintain machinery, tools or equipment for wood fuel production



Developed by NSAFD

Version Number 2

Date Approved January 2019

Indicative Review Date January 2023

Validity Current

Status Original

Originating Organisation Proskills

Original URN PROWFP4

Relevant Occupations Furniture Makers and Other Craft Woodworkers

Suite Wood Fuel

Keywords Wood; fuel; machinery; tools; equipment; production
