

LANTw54 - SQA Unit Code H2SD 04

Sharpen and maintain edged hand tools



Overview

This standard is about sharpening and maintaining including the repair and storage of edged hand tools

This standard includes:

- identifying and dealing with defects in tools
- replacing tool handles and shafts
- protecting tools to prevent corrosion, damage and personal injury
- sharpening edged tools
- correct storage of tools

This standard is suitable for those working within the green wood trades as a craftsperson

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Performance criteria

- You must be able to:*
- P1 select and implement appropriate working method in accordance with the assessed risks
 - P2 identify and make safe minor defects in a hand tool handle or shaft
 - P3 identify any **major defects**
 - P4 **repair** and ensure tool is in safe working condition
 - P5 identify defective and 'dull' cutting edges and use appropriate equipment to restore the correct cutting edge on tools
 - P6 store tools correctly to maintain condition and are safe to use
 - P7 maintain the health and safety of yourself and others at all times in accordance with current legislation

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Knowledge and understanding

You need to know and understand:

- K1 how to identify hazards and assess risks
- K2 how to interpret risk assessments
- K3 the health and safety implications of defects in hand tools, edged tools and shafts
- K4 different methods and devices for sharpening tools
- K5 different tool edge profiles and which are appropriate for different purposes
- K6 identify the bevel and edge characteristics of individual edge tools required to fulfil their specific function
- K7 the importance of 'temper' in an edge tool
- K8 appropriate use of a range of sharpening stones and the difference between oil and wet stones
- K9 appropriate use of angle grinders and grinding wheels
- K10 how to safely test the sharpness of a tool and when a tool requires sharpening
- K11 the maintenance and protection required for sharp edged tools
- K12 different methods of fitting a new handle or shaft
- K13 how to select appropriate materials for tool handles
- K14 how to store tools safely to maintain their condition
- K15 how to label, store and report damaged and dangerous tools
- K16 your responsibilities under current environmental, health and safety legislation and codes of practice

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Scope/range related to performance criteria

Repair hand tools: replacing the handle, regrinding the bevel, honing the cutting edge

Major defects requiring handle or shaft replacement

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