

Chainsaws - Maintenance And Cross-cutting

CLMC10X/R CLMC42X/R

Course Objectives

To enable course members to:

- state and identify the necessary personal protective equipment required, report on its condition and locate the various standard marks
- state and identify required health and safety features on a chainsaw
- identify faults and defects on a chainsaw and cutting equipment and decide which the operator can remedy and which require a service engineer's attention
- select and identify correct tools to enable maintenance to be carried out and report on their serviceability
- carry out correctly all routine maintenance in accordance with the manufacturer's instruction book and/or the Lantra Awards workbook
- prepare the chainsaw for use with the correct fuel/oil mix and chain lubrication
- start the chainsaw from both cold and hot in a safe manner
- carry out pre-cutting safety tests and state the procedures if the chainsaw fails these tests
- state the possible hazards/risks when carrying out maintenance or operational tasks
- cross-cut timber accurately to required lengths
- assess and explain the terms 'tension' and 'compression' in timber
- adopt safe procedures to remove a trapped guide bar
- handle and stack timber in a safe manner
- organise site safety and state the precautions required

NB: The correct protective clothing must be worn by those undertaking the last three objectives.

- These courses are for anyone who is required to maintain and operate chainsaws for cross cutting only.
- CLMC10X/R is an ITA course, CLMC42X/R is a Training-only course, leading to assessment in NTPC CS30
- Two days: Practical
- This course will contribute towards achievement of NVQ/SVQ Forestry Level 2,

Max: 1:4 **Min:** 1:2

Who is the Course For?

Duration/Format NVQ/SVQ Linkage Instructor/Trainee Ratio

Course Content

Introduction	Safety and health features of a chainsaw
Maintenance	Personal protective equipment
Fuelling and starting a chainsaw and performing pre-cutting checks	Clearing site and chainsaw checks
Adjusting the chainsaw	Cross-cutting timber

Facilities/Equipment required:

Organiser

Flipboard, stand, newsprint, marker pens
Suitable fire extinguisher
List of course members (copied for self and Instructor)
Directions to venue for course members and Instructor
Saw chain filing vice with clamps to fit to work bench
Engineer's vice - small
Sufficient timber of suitable diameter and length to allow practice for each course member
1st aid kit complying with Health & Safety (1st Aid) Regs 1981 and large wound dressings
Location and telephone number of hospital with 24 hr emergency service
For each course member:
pen, pencil and notebook
namecards/lapel badges
pre-course handouts, Lantra Awards workbooks, assessment forms (CLMC10X/R only).

Venue

Warm, dry, well lit workshop complying with adequate bench space. Room with tables and chairs. Open area for cross-cutting practice with timber up to 380mm diameter

Instructor/Tutor

Prepared flipchart pages
Handouts
Overalls and safety equipment
Chainsaw
Instructor's comprehensive tool kit
Samples of saw chain showing different profiles and safety features
Assessment schedule
2 stroke fuel and saw chain oil
"Black museum" of faulty chain, guidebars, sprockets etc for comparison with new or well maintained items
Personal protective equipment as per pre-course handout
If working in a remote site, a mobile phone or radio and vehicle able to transport an injured person

Trainee

Chainsaw complying with pre-course handout
Operator's maintenance kit and equipment and personal protective equipment as per pre-course handout

NB: Instructors have been instructed not to undertake training where trainees do not have the appropriate protective equipment and appropriate saw.

Chainsaws - Maintenance

CLMC10X/R

and Cross-cutting**CLMC42X/R****Publications
included in package**

Pre-course handout, workbook, AFAG safety guides 802, 804, 805, 301, 304; HSE 'Chainsaws at Work'; Certificate Claim form; Site-specific risk assessment pro-forma; ITA assessment form (CLMC10X /R only)

**Instructor – Basic
Registration Criteria**

Please refer to the Lantra Awards Instructor Information pack.

**Instructor –
Technical Skills
Knowledge and
Experience**

Individuals must have a proven track record of at least 5 years operator and industry competence.

**Instructor –
Certification (if
desirable)**

They must possess either a Lantra Awards basic operator certificate, or NPTC Certificate of Competence. Evidence of regular updates must be provided where a certificate of competence was obtained 2 or more years previously.