
Overview

This national occupational standard is about using equipment and machinery correctly and safely, with due regard to manufacturers' instructions and legal and regulatory requirements. It also covers the routine, day-to-day maintenance of this equipment, before and after use. It is for members of staff who can carry out the work described under limited supervision only.

The types of equipment and machinery included in this standard are

1. non-powered tools and equipment (for example hand tools, fertiliser distributors)
2. hand held powered equipment (for example strimmers, hedge cutters, leaf blowers)
3. pedestrian controlled powered equipment (for example rotary mowers)
4. ride-on powered equipment (for example ride-on mowers)
5. chippers and/or shredders
6. routine maintenance could include oil change, spark plugs, wheels and tyres, drive belts, drive mechanisms, electrics, back-lapping, sharpening hand tools

Use of machinery and equipment and all actions must meet the requirements of the law and relevant codes of practice.

NB This unit does not cover the use of tractors or tractor-mounted equipment other than small lawn/compact tractors

Performance criteria

- You must be able to:*
- P1 select the correct item of equipment and machinery for the planned task
 - P2 make sure that the **equipment and machinery** is safe and in good working order
 - P3 select and use the correct personal protective clothing and equipment
 - P4 set up and use the **equipment and machinery** in accordance with the manufacturer's instructions and legal regulatory requirements
 - P5 ensure the safety of yourself and other people whilst operating the **equipment and machinery**
 - P6 identify any problems with the equipment and machinery and take the correct action
 - P7 clean and store the equipment correctly after use

Knowledge and understanding

You need to know and understand:

- K1 how to select the correct items of machinery equipment for the tasks that you are responsible for
- K2 how to check the equipment and machinery and the types of pre-operational maintenance that you are required to carry out
- K3 the health and safety requirements that govern the use of the equipment and machinery in your area of responsibility
- K4 the main hazards associated with using the equipment and machinery in your area of responsibility
- K5 the manufacturer's instructions for the operation of the equipment and machinery in your area of responsibility
- K6 the types of problems that may occur with the equipment and machinery you work with and how to deal with each of these correctly
- K7 the principles of two and four stroke engines
- K8 the principles of lines of drive – clutch, v-belts, chains
- K9 types of protective clothing and the reasons why it must be worn
- K10 the correct ways of wearing personal protective equipment
- K11 the legal and regulatory requirements that govern the use of the equipment and machinery in your area of responsibility

Additional Information

Scope/range related to performance criteria

1. **equipment and machinery**
 - 1.1. non-powered tools and equipment
 - 1.2. hand held powered equipment
 - 1.3. pedestrian controlled powered equipment
 - 1.4. ride-on powered equipment
 - 1.5. chippers and/or shredders

2. **action**
 - 2.1. correct pre-use checks
 - 2.2. correct start-up procedure
 - 2.3. use appropriate work method
 - 2.4. correct stopping procedure
 - 2.5. correct post-use operator maintenance
 - 2.6. reporting problems to a more competent colleague

Links to other NOS

This national occupational standard L27 belongs to Lantra – the industry body supporting skills, education and training for the UK's environmental and land-based industries

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Use and maintain equipment and machines

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