

LANCS7

Prepare and operate a tractor with attachments



Overview

This standard covers the preparation and operation of a tractor with attachments. The competent use of a tractor with attachments requires considerable skill and knowledge.

The standard covers the use of tractors with a range of attachments in a variety of weather conditions, ground conditions and terrain. These conditions will have an impact on the handling and use of the tractor.

When using a tractor on the public highway you will need to hold the appropriate licenses for both yourself and the tractor.

You must carry out your work in a way which will consider any impact on the natural environment.

This standard is suitable for anyone operating a tractor with attachments on or off the public highway.

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Performance criteria

You must be able to:

- P1 wear appropriate clothing and personal protective equipment
- P2 prepare the tractor by carrying out pre-start checks and adjustments in accordance with specifications, including all safety guards
- P3 confirm the tractor is safe and ready for use
- P4 check and adjust operator environment to meet personal requirements
- P5 select appropriate attachments to carry out the required work
- P6 make sure attachments are suitable for the tractor
- P7 make sure attachments are fitted securely and safely
- P8 make sure attachment is set or calibrated if required
- P9 check the immediate work area for hazards and obstacles before moving off
- P10 use the correct warning signals at all times
- P11 operate and manoeuvre the tractor safely, and consistent with the type of vehicle, attachment and operation
- P12 make sure attachment is in transport position when not in use in accordance with manufacturers' instructions
- P13 modify operating procedures to take into account any changes in weather, ground conditions and types of terrain
- P14 maintain the efficiency of tractor and attachment performance through the appropriate handling and maintenance
- P15 deal with any hazards and obstacles encountered during operation in accordance with standard practice
- P16 monitor the operation of the attachment and recognise faults
- P17 stop and isolate tractor on completion of activity in line with standard practice
- P18 remove attachment in accordance with specifications
- P19 leave the tractor and attachment secure after use and in a suitable condition for future use
- P20 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

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Knowledge and understanding

You need to know and understand:

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| K1 | the type of clothing and personal protective equipment suitable for the activity |
| K2 | current legislation in relation to the use of tractors and attachments |
| K3 | the required pre-start checks and adjustments for the tractor and attachments and the reasons why these must be carried out |
| K4 | how to mount and dismount safely |
| K5 | how to start and stop the tractor |
| K6 | the function of all controls and instruments including the tractor and the attachment |
| K7 | types of attachments and how they should be secured and removed from the tractor |
| K8 | types of attachments that are safe for use with the tractor and those that are not |
| K9 | conditions that should be taken into account when considering the use of attachments |
| K10 | how to set or calibrate attachments where required |
| K11 | appropriate use of warning signals and indicators |
| K12 | the ways in which the tractor should be operated and manoeuvred, and how different weather, ground conditions and types of terrain must be taken into account |
| K13 | how to operate and use attachments safely including counterbalance |
| K14 | the draft control, position control, external hydraulic and electrical services on the tractor and attachment |
| K15 | how to put attachment into transport position and work position where appropriate |
| K16 | the capabilities of the tractor and factors which may affect efficiency |
| K17 | types of hazards and obstacles which may be encountered and how these should be dealt with |
| K18 | how to monitor the operation of the attachment and actions that might be required |
| K19 | faults, defects and wearing parts that occur with attachments used in your place of work |
| K20 | how to preserve the efficiency of tractor and attachment through daily maintenance |
| K21 | how and where to refer problems with the tractor or attachment |
| K22 | the reasons why the tractor and attachment should be left in a suitable condition for future use |
| K23 | why it is important to maintain safety and security of the vehicle and attachment at all times |
| K24 | your responsibilities under relevant environmental and health and safety legislation, codes of practice and company policies |

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Glossary

Specifications:

- drawings
- schedules
- method statements
- Standard Operating Procedures (SOPs)
- manufacturers' guidelines
- customer requirements

Instructions may be verbal or written

Attachments include:

- trailed
- front or rear mounted
- fore-end loaders
- PTO and hydraulic drive equipment

Operator environment:

- seat
- steering wheel
- mirrors
- seat belt

Ground conditions:

- Wet
- Dry
- Frost
- Ice
- Mud
- Loose ground

Terrain:

- hard surfaces
- soft surfaces
- uneven surfaces
- slopes

Efficiency factors:

- gears
- hydraulics
- tyre pressure
- counter balance
- ballasting
- engine revs

Links to other NOS

LANCS57 Prepare and operate a tractor

LANCS59 Prepare and operate a powered vehicle with attachments

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