

LANCS59 SQA Unit Code H59K 04

Prepare and operate a powered vehicle with attachments

Overview

This standard covers the preparation and operation of a powered vehicle with attachments. The standard does not cover the use of tractors with attachments.

The standard covers the use of a powered vehicle 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 vehicle.

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

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 powered vehicle 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 appropriate powered vehicle by carrying out pre-start checks and adjustments in accordance with specifications and in line with current legislation
 - P3 confirm the powered vehicle 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 vehicle
 - 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 vehicle safely, and consistent with the type of vehicle, attachment and operation
 - P12 use attachments safely at all times
 - P13 make sure attachment is in transport position when not in use in accordance with manufacturers' instructions
 - P14 modify operating procedures to take into account any changes in weather, ground conditions and types of terrain
 - P15 maintain the efficiency of powered vehicle and attachment performance through the appropriate handling and use of the vehicle
 - P16 deal with any hazards and obstacles encountered during operation in accordance with standard practice
 - P17 monitor the operation of the attachment and recognise faults
 - P18 stop and isolate powered vehicle on completion of activity in line with standard practice
 - P19 remove attachment in accordance with specifications
 - P20 leave the vehicle and attachment secure after use and in a suitable condition for future use
 - P21 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:

- K1 how to select appropriate powered vehicle for the required activity and how to carry out pre-start checks and adjustments
- K2 different types of accessories available for powered vehicles and how they are secured
- K3 which vehicles are suitable to carry passengers
- K4 the type of clothing and personal protective equipment suitable for the activity
- K5 the types of safety equipment that should be available
- K6 current legislation in relation to the use of powered vehicles and attachments
- K7 how to mount and dismount safely
- K8 how to start and stop the vehicle
- K9 the function of all controls and instruments including the vehicle and attachment
- K10 types of attachments and how they should be secured and removed from the vehicle
- K11 types of attachments that are safe for use with the vehicle and those that are not
- K12 conditions that should be taken into account when considering the use of attachments
- K13 how to set or calibrate attachments where required
- K14 appropriate use of warning signals and indicators
- K15 the ways in which the vehicle and attachment should be operate and manoeuvred, and how different weather, ground conditions and terrain must be taken into account
- K16 how to operate and use attachments safely on the powered vehicle
- K17 how to put attachment into transport position and work position where appropriate
- K18 the capabilities of the vehicle and factors which may affect efficiency
- K19 types of hazards and obstacles which may be encountered and how these should be dealt with
- K20 how to monitor the operation of the attachment and actions that might be required
- K21 faults, defects and wearing parts that occur with attachments used in your place of work
- K22 how to preserve the efficiency of the vehicle and attachment through daily maintenance
- K23 how and where to refer problems with the vehicle or attachment
- K24 the reasons why the vehicle and attachment should be left in a suitable condition for future use
- K25 why it is important to maintain safety and security of the vehicle and attachment at all times

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K26 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 could be verbal or written.

Powered vehicles include:

- ATVs
- quad bikes
- mules
- skid-steers
- bob-cats

Attachments include trailed or mounted 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
- track condition
- brakes
- clutches

Links To Other NOS

LANCS9 Prepare and operate a powered vehicle

LANCS7 Prepare and operate a powered vehicle with attachments

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