Unit 648 Preparing and operating ride-on rollers to compact materials in the workplace

16 credits

Level: 2
UAN: K/600/8073

*PER – Portfolio evidence reference SO – Site observation OQ – Oral question WQ – Written question WT – Witness testimony
PS – Product supplementary PD – Professional discussion

Assessment criteria that are practical activities are highlighted in bold.

1. Interpret the given information relating to the use of ride-on rollers to carry out compacting operations.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
1.1 **interpret and extract information from:**							
a. drawings							
b. specifications							
c. schedules							
d. manufacturers' information							
1.2 **comply with information and/or instructions derived from risk assessments and method statements**							
1.3 state the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented							
1.4 describe different types of information, their source and how they are interpreted in relation to:							
a. drawings							

b. specifications							
c. schedules							
d. manufacturers' information							
e. method statements							
f. regulations and guidance applicable to compacting operations.							

2. Organise with others the sequence and operation in which compacting operations using ride-on rollers are to be carried out.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
2.1 **organise the work according to given information or instructions**							
2.2 describe how to communicate ideas between team members							
2.3 **organise and communicate with team members and other associated occupations**							
2.4 state how to organise resources prior to and during compacting operations using ride-on rollers.							

3. Know how to comply with relevant legislation and official guidance to carry out compacting operations with ride-on rollers.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
3.1 describe your responsibilities under current legislation and official guidance whilst working:							
a. in the workplace							
b. below ground level							
c. at height							
d. in confined spaces							
e. with tools and equipment							
f. with materials and substances							
g. with movement/storage of materials							
h. by manual handling and mechanical lifting							

3.2 describe the organisational security procedures for tools, equipment and personal belongings in relation to:							
a. site							
b. workplace							
c. company							
d. operative							
3.3 state what the accident reporting procedures are and who is responsible for making reports.							

4. Maintain safe working practices when preparing for and carrying out compacting operations using ride-on rollers.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
4.1 **use Personal Protective Equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during compacting operations**							
4.2 explain why and when Personal Protective Equipment (PPE) should be used, relating to compacting operations, and the:							
a. types							
b. purpose							
c. limitations of each type							
4.3 state how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with:							
a. fires							
b. spillages							
c. injuries							
d. other task-related hazards.							

5. Request and select the required quantity and quality of resources to prepare for and carry out compacting operations using ride-on rollers.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
5.1 describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to:							
a. consumables, lubricants and fuels							
b. attachments and compacting operational aids							
c. hand tools, ancillary equipment and/or accessories							
5.2 **request and select resources associated with ride-on rollers in relation to:**							
a. **consumables**							
b. **materials**							
c. **attachments**							
d. **tools**							
e. **accessories and/or ancillary equipment**							
5.3 state how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used							
5.4 outline potential hazards associated with the resources and method of work							
5.5 describe how to calculate:							
a. weight							
b. bearing pressure							
c. length							
d. area associated with the method/procedures to carry out compacting operations using ride-on rollers.							

6. Minimise the risk of damage to the work and surrounding area when compacting materials using ride-on rollers.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
6.1 **protect the work and its surrounding area from damage**							
6.2 **minimise damage and maintain a clean work space**							
6.3 describe how to protect work from damage and the purpose of protection in relation to:							
a. general workplace activities							
b. other occupations							
c. adverse weather conditions							
6.4 **dispose of waste in accordance with legislation**							
6.5 state why the disposal of waste should be carried out safely in relation to the work.							

7. Complete the work within the allocated time when preparing to and compacting materials using ride-on rollers.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
7.1 **demonstrate completion of the work within the allocated time**							
7.2 **shut down and secure ride-on rollers**							
7.3 state the purpose of the work programme and describe why deadlines should be kept in relation to:							
a. types of progress charts, timetables and estimated times							
b. organisational procedures for reporting circumstances which will affect the work programme.							

8. Comply with the given contract information to compact materials using ride-on rollers to the required specification.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
8.1 **demonstrate the following work skills when preparing for and compacting materials using ride-on rollers:**							
a. **fitting**							
b. **attaching**							
c. **setting up**							
d. **securing**							
e. **adjusting**							
f. **checking**							
g. **removing**							
h. **communicating**							
i. **operating**							
j. **manoeuvring**							
k. **positioning**							
l. **compacting**							
8.2 **prepare, position, set up and operate ride-on rollers to compact a variety of materials, in various locations, to given working instructions**							
8.3 describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to:							
a. identify the characteristics of the ride-on roller used for compacting work							
b. carry out performance checks							
c. prepare, set up and adjust for operational requirements							
d. complete functional checks							
e. carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area							
f. identify the area for compacting							

g. check to avoid damage to structures and utilities service apparatus							
h. compact materials safely and securely							
i. shut down and secure ride-on roller							
j. use hand tools, ancillary equipment and accessories							
8.4 **safely use and store hand tools and ancillary equipment**							
8.5 state the needs of other occupations and how to communicate within a team when preparing to and carrying out compacting operations							
8.6 describe how to maintain the plant, tools and equipment used to compact materials.							

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Declaration

I confirm that the evidence supplied for the above unit is authentic and a true representation of my own work. The work logged is my own work carried out during my normal work duties.

Candidate name:	
Candidate signature:	
Date:	

I confirm that this candidate has achieved all the requirements of this unit with the evidence listed. Assessment was conducted under the specified conditions and context, and is valid, authentic, reliable, current and sufficient.

Assessor name:	
Assessor signature:	
Date:	

IQA name:	
IQA signature:	
Date:	