

MNQOP24A

Unit Descriptor

Conduct dozer operations

This unit covers the planned ripping, pushing, and placing of materials using a dozer.

Unit Sector

No sector assigned

ELEMENT

PERFORMANCE CRITERIA

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| 1. Plan and prepare for dozer operations | 1.1 Safety rules and regulations, induction including site rules and legislation and site specific instructions are observed.
1.2 Basic geological and survey data required to complete the allocated task is received and applied in accordance to site requirements.
1.3 Pre-start checks are carried out in accordance with manufacturers' and/or site authorised procedures.
1.4 Briefings or handover details are received, interpreted and clarified in accordance with site requirements. |
| 2. Operate dozer | 2.1 Start-up, park-up, shut-down and communication procedures are carried out in accordance with manufacturers' and/or site specific requirements.
2.2 Dozer controls and functions, including blade tilt and pitch and ripper, are effectively used to complete a range of tasks.
2.3 Operations are conducted in all weather conditions by day and night within safety requirements.
2.4 Work with other equipment and personnel is carried out in accordance with authorised safety procedures and site work practices.
2.1 Emergency procedures are carried out in accordance with manufacturers' and/or quarry requirements.
2.2 Towing of equipment and plant is carried out safely and in accordance with the authorised equipment and/or connection capabilities.
2.1 Pushing of scrapers is carried out safely and in accordance with manufacturer's specifications and site procedures.
2.2 Work is carried out in accordance with the agreed plan and outcomes and within the operating capacities/manufacturers specifications of the allocated equipment.
2.1 Operations are carried out in accordance with site quality plan.
2.1 Dozers are driven onto/off low loaders in accordance with site and Occupational Health and Safety regulations and procedures. |

3. Carry out basic operator maintenance
 - 3.1 Inspection and fault finding are conducted in accordance with manufacturers' specifications and/or site requirements and reported.
 - 3.2 Routine operational servicing, lubrication and housekeeping tasks are carried out to manufacturers' and/or site requirements.
 - 3.3 Minor maintenance is carried out to manufacturers' and/or site requirements.
 - 3.4 Operator support is provided during preparation for and conduct of major maintenance tasks in accordance with site requirements, if required.
 - 3.5 Records are maintained in accordance with site requirements.
 - 3.6 Vehicle washing is carried out to manufacturers' specifications and/or site requirements and environmental aspects.

KEY COMPETENCIES

Key Competency	Performance Level
Communicating ideas and information	1
Collecting analysing and organising information	1
Planning and organising activities	1
Working with others and in teams	1
Using mathematical ideas and techniques	1
Solving problems	1
Using technology	1

RANGE STATEMENT

This unit covers all tracked dozers and those tasks and performance criteria which are within the legal and technical limitations of wheeled dozers.

Briefings/handovers may include but are not limited to:

- worksite inspection
- defect on machine
- nature and scope of task confirmed, if necessary, by site inspection
- adequacy of site lighting
- potential hazards

Legislative/regulative adherence shall include but is not limited to:

- Occupational Health and Safety
- Duty of Case
- Environmental
- Mines Department/Extractive Industries

Safe operating procedures may include but are not limited to:

- observing site speed limits
- working safely around overhead powerlines
- working safely around other machines

Dozer Tasks may include but are not limited to:

- rip, push and prepare overburden, interburden, stone, sand and soil
- bench and pad preparation
- establish and maintain dumps in accordance with authorised requirements
- carry out civil works
- tree pushing
- track rolling

Rip and push may include but is not limited to:

- pushing over high walls
- working under high walls
- working in cable areas and highwall chaining
- support other equipment

Working on dumps is to include but is not limited to:

- creation of windrows
- levelling
- compaction and gradients
- and include work on live stockpiles

Civil Works is to include but is not limited to:

- road works
- contours
- batters
- scrub clearing
- rehabilitation final landform and the interpretation of associated survey pegs
- sealing tailing dams
- drainage

Towing all mobile equipment may include but is not limited to:

- scrapers
- rippers
- rollers
- compactors
- harrows
- scarifiers
- skid mounted equipment
- winching

Communications may include but is not limited to:

- two-way radio
- reporting defects to appropriate department/personnel

EVIDENCE GUIDE

Context

Competency must be assessed in the normal or simulated work environment within the bounds of safety and in accordance with work procedures.

Assessment shall include those aspects of the Core Competencies that are consistent with the work environment of this Unit.

Guidelines will be in line with statutory requirements, enterprise specific policies and procedures and codes of practice.

Critical Aspects and Evidence

It is essential that competence is fully observed in the critical aspects of:

- Operational safety compliance with Occupational Health and Safety, Environmental, Legislation/Regulation and organisational policies and procedures
- Interpreting and communicating operational information
- Start-up, park-up, shut-down and walk around inspection procedures
- Implements to ground at shutdown and park-up
- Tree pushing
- Push and rip materials
- Towing and pushing other equipment
- Dump maintenance
- Civil works
- Operator Maintenance
- Emergency Procedures
- Quality requirements
- The ability to transfer the competency to changing circumstances is identified from demonstration of the required response.
- Response to emergency situations and actions.

Underpinning Knowledge and Skills

Knowledge

A knowledge of:

- Site and equipment safety requirement
- Equipment characteristics, technical capabilities and limitations
- Operational and maintenance procedures
- Basic geological and technical data

Skills

The ability to:

- Apply eye-hand co-ordination
- Access, interpret and apply all information
- Maintain equipment records
- Use relevant hand tools
- Apply basic diagnostic techniques
- Working in confined spaces
- Work wearing personal protective equipment
- Operate dozer in accordance with site/manufacture's specifications

Resource Implications

The resources available will be specific to this competency, the individual employer and the particular worksite as required to comply to the other elements of this unit.

Interdependence of Units

- Pre-requisites - Unit MNQ.OP/01.A of Operator
- Interrelationship of Units - this unit may need to be applied in conjunction with units MNQ.OP/01.A, MNQ.OP/02.A, MNQ.OP/03.A, MNQ.OP/04.A, MNQ.OP/05.A, MNQ.OP/08.A, MNQ.OP/10.A, MNQ.OP/12.A, MNQ.OP/14.A, MNQ.OP/28.A, MNQ.OP/29.A

Consistency of Performance

Competency in this unit needs to be assessed over a period of time to ensure consistency of performance in a range of environments, using a range of assessment instruments.