



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **FPPPRM220A Perform lubrication**

**Release: 1**

## **FPPPRM220A Perform lubrication**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Unit descriptor**

This unit describes the outcomes required to perform lubrication in the pulp and paper industry

General legislation, regulatory, licensing and certification requirements applicable to this unit are detailed in the range statement

### **Application of the Unit**

#### **Application of the unit**

This unit applies to persons who perform lubrication in the pulp and paper industry. This work typically involves complex integrated equipment and continuous operations

This unit generally applies to those who:

- prepare for lubrication
- conduct lubrication activities
- record and report on lubrication activities, and
- maintain stock in lubrication store

to meet safety, quality and productivity requirements

### **Licensing/Regulatory Information**

Refer to Unit Descriptor

### **Pre-Requisites**

Not Applicable

## Employability Skills Information

**Employability skills**      This unit contains employability skills

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for lubrication	1.1. Preparation for lubrication is completed within Occupational Health and Safety (OHS) regulations, environmental and safe working requirements/practices, Standard Operating Procedures (SOP), and housekeeping requirements 1.2. Store supplies are checked 1.3. Lubrication schedule confirmed 1.4. Tools, equipment and supplies are prepared to fulfil schedule 1.5. Communication is made with operator regarding access to equipment
2. Conduct lubrication activities	2.1. Lubrication activities are conducted within OHS regulations, environmental and safe working requirements/practices, SOP, and housekeeping requirements 2.2. Lubrication tasks are completed 2.3. Right lubricant is used for specific points 2.4. Supplies are topped up as required 2.5. Issues identified during lubrication are communicated with operator and/or maintenance personnel
3. Record and report on lubrication activities	3.1. Lubrication activities are recorded and reported on within OHS regulations, environmental and safe working requirements/practices, SOP, and housekeeping requirements 3.2. Lubrication documentation is completed 3.3. Work orders are raised as required
4. Maintain stock in lubrication store	4.1. Stock in lubrication store is maintained within OHS regulations, environmental and safe working requirements/practices, SOP, and housekeeping requirements 4.2. Stocktake of lubricant stocks in store is conducted 4.3. Action is taken to re-stock store as required

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This describes the skills and knowledge required for this unit.

#### Required skills

- Uses required forms of communication in performing lubrication
- Reads and interprets required documentation, procedures and reports
- Accesses, navigates and enters computer-based information
- Identifies and actions problems within level of responsibility
- Recognises lubrication issues
- Identifies lubricants
- Identifies lubrication points
- Filling procedures
- Decanting
- Uses lubrication tools and equipment
- Uses measuring equipment
- Maintains situational awareness in the work area
- Analyses and uses sensory information to adjust process to maintain safety, quality and productivity
- Uses electronic and other control systems to control equipment and processes as required

#### Required knowledge

- Procedures, regulations and legislative requirements relevant to performing lubrication including OHS, environmental including relevant sustainability requirements/practices, SOP, isolation procedures, safe working requirements, risks and hazard identification and housekeeping
- Relevant forms of communication
- Basic problem-solving techniques consistent with level of responsibility
- Principles of lubrication
- Types of lubricant and their application
- Lubrication schedules for plant and equipment
- Consequences of inadequate or incorrect lubrication
- Spills and environmental impact
- Action to be taken in case of spills
- Sensory information that indicates a deviation from standard operating parameters
- Sufficient knowledge of electronic and other control systems, operation and application to make appropriate adjustments, within level of responsibility



# Evidence Guide

## EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

### Overview of assessment

#### Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence should be relevant to the work. It should satisfy the requirements of the elements and performance criteria and include consideration of:

- the required knowledge and skills tailored to the needs of the specific workplace
- applicable OHS regulations, environmental and safe working requirements/practices, SOP and housekeeping requirements
- applicable aspects of the range statement
- practical workplace demonstration of skills in performing lubrication

#### Context of and specific resources for assessment

A workplace assessment must be used to assess:

- the application of required knowledge on the job
- the application of skills on the job, over time and under a range of typical conditions that may be experienced in performing lubrication

Access to the full range of equipment involved in performing lubrication in a pulp or paper mill is required

#### Method of assessment

A combination of assessment methods should be used. The following examples are appropriate for this unit:

- observation of applied skills and knowledge on the job
- workplace demonstrations via a mock-up or simulation that replicate part/s of the job
- answers to written or verbal questions about specific skills and knowledge
- third-party reports from relevant and skilled personnel
- written evidence e.g. log sheet entries, checklist entries, test results

Assessment processes and techniques must be culturally appropriate and in keeping with the language and literacy capacity of the learner and the work being

## EVIDENCE GUIDE

performed. This includes conducting an assessment in a manner that allows thoughts to be conveyed verbally so that the learner can both understand and be understood by the assessor (e.g. use plain English and terminology used on the job)

A holistic assessment with other units relevant to the pulp and paper industry, mill and job role is recommended

Additional information on approaches to assessment for the pulp and paper industry is provided in the Assessment Guidelines for this Training Package

## Range Statement

### RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Lubrication materials may include:

- various grades of oils and grease
- graphite grease
- marine packing grease

Issues that arise during lubrication may include:

- leaks
- overheating
- dry bearings
- vibration
- noise
- smell
- discolouration

Equipment may include:

- personal protective equipment and clothing
- compressed air
- hand and power tools
- machine systems
- computer systems
- electronic screens and alarms
- process control systems



## RANGE STATEMENT

- analogue and digital instrumentation
  - fully automated, semi-automated, manually operated plant and equipment appropriate to performing lubrication
- Maintenance may include:
- operator level maintenance as per site agreement
  - operator maintenance schedules
  - maintenance systems
  - maintenance suppliers
  - pro-active maintenance strategies e.g. Total Productive Maintenance (TPM), Reliability Centred Maintenance (RCM)
- Legislation, regulatory, licensing and certification requirements may include:
- OHS and environmental requirements (local, state and commonwealth)
- Documentation, procedures and reports may include:
- SOP
  - quality procedures
  - environmental sustainability requirements/practices
  - plant manufacturing operating manuals
  - enterprise policies and procedures
  - oil or chemical spills and disposal guidelines
  - plant isolation documentation
  - safe work documentation e.g. plant clearance, job safety analysis, permit systems
- Electronic control systems may include:
- Digital Control System (DCS)
  - touch screens
  - robotics
- Actions may include:
- process adjustments
  - reporting to authorised person
  - rectifying problem within level of responsibility
- Communications may include interaction with:
- internal/external customers and suppliers
  - team members
  - production/service co-ordinators
  - maintenance services
  - operational support personnel
  - operational management
  - statutory authorities

## RANGE STATEMENT

Situational awareness may include awareness of:

- traffic
- pedestrians
- location of equipment
- product
- hazards
- obstruction
- unexpected movement

Forms of communication may include:

- written e.g. log books, emails, incident and other reports, run sheets, data entry
- reading and interpreting documentation e.g. SOP, manuals, checklists, drawings
- verbal e.g. radio skills, telephone, face to face, handover
- non-verbal e.g. hand signals, alarms, observations
- signage e.g. safety, access

Sensory information may include:

- visual
- sound
- feel
- touch
- smell
- vibration
- temperature

## Unit Sector(s)

Not Applicable