



Australian Government

PPMPRM202 Perform lubrication

Release: 1

PPMPRM202 Perform lubrication

Modification History

Release	Comments
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 3.0.

Application

This unit of competency describes the skills and knowledge required to lubricate equipment components and to maintain stocks of lubricants in a pulp and/or paper manufacturing facility.

The unit applies to production support operators, who undertake routine maintenance tasks for complex equipment used continuously in a pulp or paper manufacturing facility.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Preventative Maintenance (PRM)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for lubrication	1.1 Check lubrication schedules at start of shift and plan work activities according to workplace health and safety and environmental requirements and workplace procedures 1.2 Identify health and safety hazards and report safety concerns 1.3 Select required personal protective and other equipment and check for operational effectiveness 1.4 Obtain type and quantity of lubricants from storage location to fulfil schedule requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Communicate with equipment operator to obtain access
2. Lubricate equipment	2.1 Complete lubrication tasks according to schedule requirements 2.2 Use required lubricant type and quantity for specific equipment and components 2.3 Refill supplies throughout work activities as required 2.4 Identify any equipment issues during lubrication and advise operator or relevant personnel 2.5 Dispose of waste lubricant according workplace health and safety and environmental requirements
3. Maintain stock in lubrication store	3.1 Check stocks of required lubricant types regularly and reorder as required 3.2 Complete stocktake of lubricant stocks according to stocktake schedules and workplace requirements
4. Record and report on lubrication activities	4.1 Record lubrication activities, processes and outcomes according to workplace requirements 4.2 Raise work orders as required 4.3 Maintain records of lubricant inventory 4.4 Communicate required information to relevant personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret information in maintenance schedules, workplace procedures and inventory reports
Writing	Complete accurate basic records in the required format
Oral communication	Provide clear, unambiguous information to operators about scheduling of lubrication activities and identified equipment issues
Numeracy	Record basic numerical data for inventory

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMPRM202 Perform lubrication	PPMPRM220 Perform lubrication	Changes to performance criteria, foundation skills, performance evidence and knowledge evidence Assessment conditions updated	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93>

Assessment Requirements for PPMPRM202 Perform lubrication

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has completed lubrication activities on three different equipment components using the following types of lubricants according to equipment requirements:

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

In completing the above, there must also be evidence that the individual has:

- completed accurate basic records for each of the lubrication activities
- completed and recorded a stocktake of lubricant stocks.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose, features and operation of pulp and paper manufacturing equipment requiring lubrication
- purpose of lubricants and effects on equipment operations
- consequences of inadequate or incorrect lubrication
- types of lubricants, grades, basic properties and application, including:
 - graphite grease
 - marine packing grease
- methods used to:
 - decant bulk lubricants
 - lubricate machinery and components
- issues that may arise during lubrication, including:
 - leaks

- overheating
- dry bearings
- vibration
- noise
- smell
- discolouration
- environmental and workplace safety impacts of lubricant spills, and methods used to contain and clean up
- safe handling and disposal of lubricants
- organisational stock reorder cycles for lubricants
- environmental storage requirements to maintain lubricants in optimum condition
- workplace procedures relevant to lubricating equipment and completing stocktakes:
 - standard operating procedures
 - workplace health and safety, with particular emphasis on use of personal protective equipment and handling hazardous substances
 - communication reporting lines
 - recording and reporting lubrication activities, processes and outcomes.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a pulp and/or paper manufacturing facility or an environment that accurately reflects performance in a workplace
- resources, equipment and materials:
 - lubrication tools and equipment
 - various grades of oils and grease
 - pulp or paper manufacturing equipment to lubricate
 - personal protective equipment suitable for lubricating equipment
 - proforma or recording system for recording lubrication activities and inventory and raising work order
- specifications:
 - workplace and standard operating procedures relating to lubricating equipment and completing stocktakes, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental requirements
 - maintenance schedules for plant and equipment.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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