



Australian Government

UEPOPS207 Perform plant lubrication

Release: 1

UEPOPS207 Perform plant lubrication

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Application

This unit involves the skills and knowledge required to maintain grease, oil levels and quality in all areas of power generating plant. The selection and use of lubricants, as well as the care and operation of lubricating systems, is an essential part of any power generation plant maintenance program.

Competency in this unit requires the ability to plan and prepare plant to conduct lubrication, performing routine checks on plant, conducting plant lubrication and completing documentation. Individuals will, in general, work as an operator, in a power generation facility.

Power generation plant operators are typically trained and authorised to isolate, prepare plant and issue permits to work

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

Note: Workplace practice

The application of the skills and knowledge described in this unit may require a licence or training permit to practice in the workplace, where work is carried out on gas and electrical installations. Additional conditions may apply under state and territory legislative and regulatory licensing requirements.

Pre-requisite Unit

There are no prerequisite units.

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Plan and prepare to conduct plant lubrication

- 1.1** Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations are identified and applied, in accordance with workplace procedures
- 1.2** Work requirements are identified, in accordance with workplace procedures, from relevant personnel and documentation
- 1.3** Plant lubricating status is assessed and evaluated from documentation, in accordance with workplace procedures
- 1.4** Isolation of power generation plant is arranged, in accordance with workplace procedures
- 1.5** Tools, lubricants and Personal Protective Equipment (PPE) are acquired and used, in accordance with workplace procedures

2 Perform routine checks on plant lubrication

- 2.1** Power generating plant is checked, in accordance with workplace procedures
- 2.2** Power generating plant affected by abnormal lubrication are identified and appropriate personnel are informed, in accordance with workplace procedures

3 Conduct plant lubrication

- 3.1** Power generating plant requiring lubrication are cleaned, in accordance with workplace procedures, before lubricating work is carried out
- 3.2** Power generating plant is lubricated, in accordance with Safety Data Sheets (SDS)/Material Safety Data Sheets (MSDS), manufacturer specifications and workplace procedures
- 3.3** Power generating plant is returned to operational condition, in accordance with workplace procedures, to ensure safety of personnel and plant integrity

4 Complete documentation

- 4.1** Power generating plant problems, movements, and status is reported in accordance with workplace procedures
- 4.2** Documentation is updated, in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS207B Perform plant lubrication.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>

Assessment Requirements for UEPOPS207 Perform plant lubrication

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and includes:

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations including:
 - emergency procedures
 - Personal Protective Equipment (PPE)
 - risk control measures
 - safe working practices
 - Safety Data Sheets (SDS)/Material Safety Data Sheets (MSDS)
- communicating with personnel
- completing documentation
- complying with permit to work requirements
- implementing hazard identification and risk control measures
- lubricating power generating plant including:
 - applying lubricants to machinery and equipment
 - conducting checks of power generating plant lubrication
 - determining problems resulting from excessive or inadequate lubricants
 - preparing and planning power generation lubricating work
- utilising isolation procedures
- working with permit to work system

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions and includes knowledge of:

- function and types of lubricants and their application
- isolations
- lubrication of plant procedures

- manufacturers' specifications and manuals
- permit to work system
- problems resulting from excessive or inadequate lubricants
- typical arrangement of power generation plant
- WHS/OHS legislated requirements including:
 - emergency procedures
 - Personal Protective Equipment (PPE)
 - risk control measures
 - safe working practices
 - Safety Data Sheets (SDS)/Material Safety Data Sheets (MSDS)
- workplace documentation
- workplace policies and procedures

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

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