Title	**Inspect lubrication systems in a mechanical engineering context**		
Level	**3**	**Credits**	**3**

Purpose	People credited with this unit standard are able to inspect lubrication systems in a mechanical engineering context.

Classification	Mechanical Engineering > Maintenance and Diagnostics in Mechanical Engineering

Available grade	Achieved

Prerequisites	Unit 21912, *Apply safe working practices on an engineering worksite*, or demonstrate equivalent knowledge and skills.

Guidance Information

1 Reference
Health and Safety at Work Act 2015.

2 Definition
Workplace procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.

3 Related unit standards
This unit standard is one of a set used for assessing lubrication:
- Unit 27203, *Demonstrate knowledge of lubrication for mechanical engineering trades* Level 3); a knowledge standard generally intended for use in general and maintenance and diagnostic engineering trades.
- Unit 27204, *Inspect lubrication systems* (Level 3); a practical standard generally intended for use in general and maintenance and diagnostic engineering trades.

Outcomes and performance criteria

Outcome 1

Inspect lubrication systems in a mechanical engineering context.

Range examples of types of lubrication systems are – open, closed, immersed, gravity, pressurised, splash;
evidence of two systems is required.

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Performance criteria

1.1 The type of lubrication system to be inspected is identified.

1.2 Lubrication requirements for the system are determined from workplace procedures or manufacturer's specifications.

1.3 Lubrication system is checked for conformance in accordance with workplace procedures or manufacturer's specifications.

Range three of – fluid level, lubricant condition, temperature, pressure, flow rate, consumption and/or loss, system faults.

1.4 Results of inspection are recorded in accordance with workplace procedures.

Replacement information	This unit standard and unit standard 27203 replaced unit standard 2402.

Planned review date	31 December 2022

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 April 2011	31 December 2022
Review	2	20 July 2017	N/A

Consent and Moderation Requirements (CMR) reference	0013

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.

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