



Australian Government

AURPTA110 Inspect and service pumping systems

Release: 1

AURPTA110 Inspect and service pumping systems

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

This unit describes the skills and knowledge required to inspect and service pumping systems according to manufacturer instructions. The unit involves preparing for the task, inspecting the system, reporting the inspection findings, servicing and adjusting the system, and completing workplace processes and documentation.

The unit applies to those working in the outdoor power equipment service and repair industry. The pumping systems include centrifugal pumps used for firefighting, irrigation and water transfer, high pressure piston pumps used for pressure cleaners, or diaphragm pumps used in orchard spraying.

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

Unit Sector

Outdoor Power Equipment Technical

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 to inspect and service pumping system of outdoor power equipment	1.1 Identify job requirements from workplace instructions 1.2 Source and interpret workplace inspection and service procedures 1.3 Identify and manage hazards associated with the tasks 1.4 Select tools and equipment and check for serviceability
2. Inspect pumping system	2.1 Inspect and test system according to manufacturer specifications, workplace procedures, and safety requirements 2.2 Identify faults and determine causes of faults 2.3 Report inspection findings and test results according to

ELEMENTS	PERFORMANCE CRITERIA
	workplace procedures, and include recommendations for necessary service, repair or adjustment 2.4 Obtain authorisation to proceed according to workplace procedures
3. Service pumping system	3.1 Select service options according to manufacturer maintenance schedule and lubrication charts 3.2 Carry out service and adjustments according to manufacturer specifications, workplace procedures, and safety and environmental requirements without causing damage to components or systems 3.3 Carry out post-service testing according to workplace procedures
4. Complete work processes	4.1 Conduct final inspection according to workplace procedures and confirm equipment is ready for use 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 Complete documentation according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	Locates required sources of information efficiently.
Numeracy	- Interprets pressure and flow volumes and uses basic mathematical operations, including addition, subtraction, multiplication and division - Calculates deviations and tolerances from manufacturer specifications.
Oral communication	Clarifies instructions.
Reading	Interprets information from manufacturer and workshop literature when seeking service specifications and procedures relating to outdoor power equipment pumping systems.
Problem solving	Refers problems outside area of responsibility to required personnel.
Technology	Uses test equipment.

Unit Mapping Information

Supersedes and is equivalent to AURPTA010 Inspect and service pumping systems.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>