

MAINTAINING WORKSHOP TOOLS, EQUIPMENT AND MEASURING DEVICES

UNIT CODE: ENG/CC/AUT/CC/5/4/A

Relationship to Occupational Standards

This unit addresses the unit of competency: **maintain workshop tools, equipment and measuring devices**

Duration of Unit: 20 hours

Unit description

This unit specifies the competencies required to maintain workshop tools, equipment and measuring devices. It involves identifying workshop tools, equipment and measuring devices, assessing need to maintain and maintaining tools, equipment and measuring devices and preparing workshop tools, equipment and measuring devices maintenance reports.

Summary of Learning Outcomes

1. Identify workshop tools, equipment and measuring devices
2. Assess need to maintain workshop tools, equipment and measuring devices
3. Maintain the tools, equipment and measuring devices
4. Prepare workshop tools, equipment and measuring devices report

Learning Outcomes, Content and Suggested Assessment Methods

Learning outcome	Content	Suggested Assessment Methods
1. Identify workshop tools, equipment and measuring devices	<ul style="list-style-type: none">• Identifying appropriate PPEs• Identifying tools, equipment and measuring devices	<ul style="list-style-type: none">• Observation• Written• Oral
2. Assess need to maintain	<ul style="list-style-type: none">• Using manufacturers specifications	<ul style="list-style-type: none">• Observation• Written

workshop tools, equipment and measuring devices	<ul style="list-style-type: none"> • Methods and procedures used in maintenance • Frequency and rate at which tools, equipment and measuring devices are used 	<ul style="list-style-type: none"> • Oral
3. Maintain the tools, equipment and measuring devices	<ul style="list-style-type: none"> • Storing of tools, equipment and measuring devices • Handling of tools, equipment and measuring devices • Cleaning of tools, equipment and measuring devices • Faults on tools, equipment and measuring devices 	<ul style="list-style-type: none"> • Observation • Written • Oral
4. Prepare workshop tools, equipment and measuring devices report	<ul style="list-style-type: none"> • Maintenance report showing dates and schedule of maintenance 	<ul style="list-style-type: none"> • Observation • Written • Oral

Suggested Methods of Delivery

- Presentations and practical demonstrations by trainer;
- Guided learner activities and research to develop underpinning knowledge;
- Supervised activities and projects in a workshop;
- The delivery may also be supplemented and enhanced by the following, if the opportunity allows:
 - Visiting lecturer/trainer from the motor vehicle service and repair sector;
 - Industrial visits.

Recommended Resources

Tools and Equipment

- Steel rule
- Vernier caliper
- Micrometre screw gauge
- Vernier height gauge

- Assorted spanners
- Bevels gauges
- Bench vice
- V-Block
- Angle plate
- Hand vice
- Screw drivers
- Pliers
- Oil can
- Grease gun
- Jack
- Axle stands
- Car hoist
- Hammers
- pressure gauges
- dial gauges
- Straight edge
- compression gauges
- Coolant pressure gauges

Materials and supplies

- Oil and paraffin
- Cleaning materials
- Hand cleaner
- Duster
- Cotton waste

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