

Small Engine Service and Repair

Curriculum Guide: *Small Engine Service and Repair*

Module: 6. Lubricating Small Engines

Unit Objective:

Students will apply principles of small engine lubrication by selecting the correct type and grade of oil for a four-cycle engine and inspecting and servicing the lubrication system.

Show-Me Standards: 1.10, CA3

References:

Briggs & Stratton Corporation. Accessed January 13, 2004, from <http://www.briggsandstratton.com>.

Kohler Engines. Accessed January 13, 2004, from <http://www.kohlerengines.com/>.

Small Engine Service and Repair. University of Missouri-Columbia, Instructional Materials Laboratory, 1994.

Instructional Strategies/Activities:

- Students will engage in study questions in lesson 1.
- Students will complete the Module 6 evaluation, Lubricating Small Engines.
- Students will complete the following competency profile: Lubricating Small Engines.
- Additional activities that relate to the unit objective can be found under the heading "Other Activities" in the following location: p. 6.8 (1, 2, 3).

Performance-Based Assessment:

As part of the instructional strategies and activities for this module, students will select the correct type and grade of oil for a four-cycle engine and inspect and service the lubrication system.

Assessment will be based on performance on the module evaluation and the ability to safely and correctly perform the assigned repair and service procedures.

Module 6—Lubricating Small Engines Instructor Guide

The instructor should assign the performance-based assessment activity procedures in conjunction with the relevant lesson material outlined in the instructor guide. Students will complete the activity procedures as they progress through the module lessons.

1. Use the Lubricating Small Engines Competency Profile to assess student performance. This profile includes the procedures listed below. The page number indicates the location of a checklist for the procedure. The procedures and checklists are found in the student manual.
 - Checking and Adding Oil to the Lubrication System, p. 14
 - Changing the Crankcase Oil (Four-Cycle Engines), p. 18
2. Have students complete the Module 6 evaluation, Lubricating Small Engines. Answers for the evaluation are found on pp. 6.8–6.9 of the instructor manual.
3. Because the student manual includes step-by-step instructions and an itemized checklist for each competency procedure, there is no student handout for this performance-based assessment activity. However, there is a scoring guide that can be used, if desired. The scoring guide lists the assessment activity procedures and includes spaces for points possible, points earned, and instructor comments.
4. The final assessment score will be based on the performance on the module evaluation and the ability to safely and correctly perform the assigned repair and service procedures.

Small Engine Service and Repair

Module 6—Lubricating Small Engines Scoring Guide

Name _____

Activity	Criteria	Points Possible	Points Earned	Instructor Comments
Lubricating Small Engines Competency Profile	<input type="checkbox"/> Checking and adding oil to the lubrication system			
	<input type="checkbox"/> Changing the crankcase oil (four-cycle engines)			
Module 6 Evaluation	Complete Module 6 evaluation			

Total Points Earned _____

