



# 2010 13<sup>th</sup> ANNUAL SKILLS MANITOBA COMPETITION CONTEST SCOPE

**CONTEST NAME:** Small Powered Equipment

**CONTEST NO:** 53

**CATEGORY:** Secondary

**CONTEST LOCATION:** Red River College - Notre Dame Campus

**CONTEST START TIME AND DURATION:**  
6 hours, starting immediately after opening ceremonies

**PURPOSE OF CHALLENGE:**

To assess the participant's ability to properly diagnose, repair and adjust small powered equipment and or component parts in accordance with industry standards.

**SKILLS AND KNOWLEDGE TO BE TESTED:**

- To demonstrate the skill and knowledge involved with two and four cycle engines
- Disassemble and reassemble engines
- Carburetor theory and adjustments
- Electrical theory and testing
- Measuring and identifying components
- Technical competence and Failure Analysis
- Use of service manuals
- Tool handling and recognition

**POINT BREAKDOWN / 1000 TOTAL:**

- Follows proper procedures
- Time management
- Follows safety regulations
- Tool and equipment care
- Displays a positive aptitude and appropriate appearance

**EQUIPMENT, TOOLS, MATERIALS TO BE PROVIDED BY COMMITTEE:**

All assemblies, tools, and manuals

**EQUIPMENT, TOOLS, MATERIALS TO BE SUPPLIED BY COMPETITOR:**

CSA approved safety glasses and safety footwear, clean unmarked (no advertisement) shop coat and/or coveralls.

**Optional:** Competitors may bring their own basic hand tools, multimeter (with low impedance) and test-light. Tools will be inspected by committee members.

**WORKSITE SAFETY RULES / REQUIREMENTS:**

Competitors will be expected to follow all safety regulations as set out in the orientation prior to the competition.

**SPECIAL CONDITIONS / ADDITIONAL INFORMATION:**

N/A

**TECHNICAL COMMITTEE MEMBERS CONTACT INFORMATION:**

**Gary Elbers**  
**gelbers@lssd.ca**