

## 4<sup>th</sup> ANNUAL NWT-NORTH REGIONAL SKILLS COMPETITION

### SCOPE DOCUMENT SMALL ENGINE REPAIR - Secondary

(NOTE: Scope may change without notice)

#### PURPOSE OF THE CHALLENGE

DURATION: 6 HOURS

To recognize and reward the Small Powered Equipment students who demonstrate achievement in skills and knowledge necessary to service today's small powered equipment.

LIMIT: 4 COMPETITORS

#### SKILLS AND KNOWLEDGE TO BE TESTED

To determine skills and competencies in all general areas of Small Powered Equipment, the competitors will be required to compete in the following areas:

- routine maintenance and safety
- tool identification specific to small engine servicing
- small engine parts identification
- general carburetion system / component identification and repair / diagnostics
- electrical system / component identification / repair / diagnostics
- use of service manuals
- use of precision measurement tools
- use of diagnostic equipment

NOTE: EQUIPMENT WILL NOT BE OPERATIONAL DUE TO SAFETY CONSTRAINTS

#### EQUIPMENT, TOOLS, SUPPLIES, AND CLOTHING

Provided by the competitor:

- CSA approved safety footwear
- Coveralls

Provided by the committee:

- small engines / parts / components
- all necessary tools, materials, diagnostic equipment, shop equipment

NOTE: Failure to comply with safety regulations will result in disqualification or removal of competitor from the competition.

Safety goggles/glasses, approved footwear, and appropriate work apparel [coveralls, shop coats] must be worn at all times.

## POINT BREAKDOWN / 100 TOTAL

Competency related multiple choice examination	25%
Practical competencies	75%

Note: Judging of competition will be based upon the following criteria –

- Knowledge exhibited by the level of completion of written test
- Comprehension of written instructions and safe service procedures
- Interpretation and performance of all tasks
- Diagnostic abilities
- Safe and clean work habits

## TECHNICAL COMMITTEE MEMBERS - JUDGES

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