



## Power Equipment Technology

### **ELIGIBILITY**

Open to active SkillsUSA members enrolled in programs with small air-cooled engine repair or power equipment-related repair programs with that as its occupational objective.

### **CLOTHING REQUIREMENTS**

Home school uniform or Official SkillsUSA light blue work shirt and navy pants, black or brown leather work shoes and safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)

*Note: At the district level if a student is not able to wear the official SkillsUSA attire he/she may wear an outfit that would be acceptable in their specific field of study. Please keep in mind that official SkillsUSA attire will be required at the state and national level.*

### **EQUIPMENT AND MATERIALS SUPPLIED BY HOST**

1. All necessary engines, engine parts, work stations, test stands, power equipment, gasoline, oil and all basic hand tools as well as necessary specialty tools
2. Industry manuals, including service and repair instruction manuals

### **EQUIPMENT AND MATERIALS SUPPLIED BY CONTESTANT**

1. All students must have a one-page, typewritten resume.
2. Proof of Training - signed
3. Safety glasses and appropriate clothing

### **SCOPE OF THE CONTEST - (DEFINED BY THE NATIONAL COMPETITION REGULATIONS)**

*(District Competitions are meant to be a scaled down version of National Competition. It is important for the students to participate in a competition that will reflect a cross-section of the industry skills needed to prepare them for the state and national levels)*

The contest assesses understanding of two-cycle and four-stroke operations, tools, safety, valve systems, point ignition, fuel and carburetors diaphragm, a float bowl style, parts identification using computer part look up, fill out a work order and measurements.

### **KNOWLEDGE PERFORMANCE**

The contest will include a written knowledge exam based on an industry standard test. The test will also cover some of the items listed in the Skill Performance.

### **SKILL PERFORMANCE**

The contest will include a series of six testing stations to assess skill performance.



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### Power Equipment Technology Scoring Sheet

Items Evaluated	Possible Points	Contestant Points
Written Test		
Station 1 – Starter Recoil	15	
Station 2 – Ignition service	20	
Station 3 – Parts Measurements	20	
Station 4 – Valve service	10	
Station 5 – Carburetor Service	20	
Station 6 – Invoicing Parts	15	
	Subtotal = 100	
No Resume	Deduction     -10	
Safety Penalty	Deduction     - 10	
Clothing Penalty	Deduction     -10	
	TOTAL	

*Note: No cell phones or other electronic devices may be used at any time during a competition; this includes using a calculator function on a cell phone for competitions in which calculators are permitted.*

*Note: Scorecards should only be used as guidance. Changes may occur.*