

**Franklin County CTC
District V Competition
February 15, 2010**

Contest: Power Equipment Technology

Contest Chairperson: Brian Yeager
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EACH CONTESTANT IS REQUIRED TO SUBMIT A RESUME

Clothing and Safety Equipment Requirement:

Plain Shirt – School or student name should not be visible on clothing
Jeans or work pants
Work Boots
Safety Glasses

Scope of Contest:

Contest will consist of engine disassembly, parts inspection and measurement, ignition component test, reassembly, part and tool identification and invoicing parts.

***Note:** Each contestant will be judged on his/her ability to perform the task(s) in the allotted amount of time.

Equipment/Tools/Materials Provided by the Host School:

L head and OHV Vertical and Horizontal four cycle engines with solid-state and breaker-point ignition
Engine Stands
Torque Wrenches
Parts and Repair Manuals
Ring Compressor
Compression Tester
Spark Tester
Inductive Tachometer
Starter Clutch
Flywheel Wrenches

Basic Multi-meter to check ohms, volts and continuity

Invoices

Screwdrivers

Standard nut drivers

Standard 3/8" or 1/2" socket set up to 1", including 3/4" and 13/16" sparkplug sockets

Standard combination wrenches up to 3/4"

Ball peen and soft-faced hammer

Feeler gage

Pliers

Tools necessary to remove valves and springs

Small piston ring compressor

6" vernier or digital calipers

0-1", 1-2", 2-3" Micrometers

Telescope gages up to 3 1/2"

Equipment/Tools Provided by Contestant:

Pen/pencil

Calculator

Safety Glasses (clear only)

Other Equipment: N/A

Safety requirements as mandated by the National SkillsUSA Standards

No cell phones or two way radios are permitted. If a contestant is found to have either in their possession he/she will be disqualified.

Special Instruction and Notes: The host school will provide all tools for the Power Equip. Tech. test.

Contestants need to bring only a pen or pencil , calculator and safety glasses.

The host school and judges reserve the right to check all tool boxes and/or tools or materials prior to the contest. Any tools that they feel will give the contestant (in their opinion) an unfair advantage will not be permitted.