	Canada Halifax2019 2019 Co	For Postmo ompétences ompetition Technology (#49)
		Il Systems (3 of 6) ASK
Competitor n	umber	Start time
Judge's name		Finish time
	-	ion Overview
Time limit:	2 hours	
Equipment:	Volvo machine	
Number of task	s: 2	
Task 1: Diag	nose faulty lighting system.	Value 70 %
Task 2: Evalı	uate inoperative heater control	S. Value 30 %
General Instruc	tions:	
The judge has a	I the materials you will need.	
	e about any procedure, you ma educted if the judge decides yc	y ask your judge for clarification. u should know the procedure.
Your judge will d	operate the machine for you for	⁻ testing purposes.

Please be very specific with what you would like them to do.

Before you start, you must go through the following Hazard Assessment with your judge so that you will be able to work safely.

Hazard Assessment:

This Hazard Assessment is to discuss the following 6 hazards and the counteractive measures you must take.

Hazard 1: You might slip while getting into and out of the cab.



- Use three points of contact at all times.
- Always face the cab.

Hazard 2: Shorting electrical connections might damage electrical components.



Do not short electrical components together.

Hazard 3: Sparks or ignition sources may cause the battery to explode.

- Do not generate sparks or bring ignition sources near the batteries.
- Wear a face shield.

Hazard 4: Battery electrolyte (sulfuric acid) is corrosive.

Wear a face shield, gloves and an apron when handling electrolyte.

Hazard 5: Moving components on the engine can catch loose clothing and hurt you.



Keep hands clear of moving components such as fan, pulleys, and belts.

Hazard 6: Power steering system can create extreme forces that could crush you.



Stay clear and keep others clear of pinch zones near the steering tires and steering linkages.



Ask

If you do not quite understand or are unsure about the hazards, please ask Information *your judge for assistance.*

No marks will be deducted for asking about hazards.

I have read this hazard assessment and the judge has explained it to me.

I understand the hazards and I will take precautions to avoid them.

Competitor's name _	
Judge's name	

Date

Evaluation:

Number of marks possible: 18.0

Skills evaluated		Tasks				
	Task 1	Task 2				
a. Use of safety equipment & safe and clean workspace						
b. Use and interpretation of service manuals & schematic diagrams						
c. Logical order of repair						
d. Proper use of tools						
e. Precise adjustment of components						
f. Accurate measurements						
g. Superior Workmanship						
h. Identification of faults, codes, or components						



If you cannot proceed with a task, ask your judge for assistance.

Task 1 of 2: Diagnose faulty lighting system.

- 1. Follow the manufacturer's procedures to safely, appropriately, and accurately:
 - Diagnose faulty lighting system.
- 2. In point form; briefly record your findings and any adjustments or components that were out of specifications.



If you cannot proceed with a task, ask your judge for assistance.

- 3. Follow the manufacturer's procedures to safely, appropriately, and accurately:
 - Evaluate inoperative heater controls.
- 4. In point form; briefly record your findings and any adjustments or components that were out of specifications.



If you cannot proceed with a task, ask your judge for assistance.

Congratulations!

You have completed the required tasks.

Once you have completed this topic you must clean up your workstation and return any tools/materials.

Use the space below for comments.

Return this competition form to your judge for evaluation.

