

# Performance Examination

OPERATION OF A CHAIN SAW

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**TOPIC/EQUIPMENT:** Operation Of A Chain Saw

**CATEGORY:** Performance Examination

**POINTS POSSIBLE:** 100

**TIME ALLOWED:** 3 Minutes

**BEHAVIORAL OBJECTIVE:**

*Condition:* Pre-warmed chain saw, chain saw chaps, ear and eye protection, gloves and 4" X 4" X 8' post

*Behavior:* The student will demonstrate how to operate a chain saw while wearing proper safety clothing.

*Standard:* With a minimum of 70% accuracy, within 3 minutes, according to the score sheet

**MATERIALS NEEDED:**

- One (1) - Chain saw (pre-warmed)
- One (1) - Set of PPE wildland
- One (1) - Set of ear and eye protection
- One (1) - Set of gloves wildland
- One (1) - Set of chain saw chaps
- One (1) - Stop watch
- One (1) - Clip board
- One (1) - Score sheet per student
- One (1) - 4" X 4" X 8' post or 6" to 8" diameter log
- One (1) - Set of saw horses with braces to stop the 4" X 4" from rolling or log cradles

**PROCEDURES:**

The examination will begin when the student either verbally or by conduct performs any step of the examination. The examination will end when the student verbally indicates the examination is completed. The student will demonstrate the ability to safely operate a chain saw and cut through a 4 X 4 X 8 post.

**SCORING:**

Points will be deducted for each step omitted, performed improperly, or performed out of sequence. Lettered procedures may be performed in any sequence within the numbered step without a loss of points. Steps designated by an asterisk (\*) must be performed or the student fails the examination. A score of zero (0) will be given if during the examination the student performs any step or procedure that would jeopardize the safety of personnel or damage the equipment

**SPECIAL NOTES:**

Before the examination begins the student will be allowed to ask any clarifying questions and inspect the chain saw. Once the examination begins the evaluators shall not answer any questions or intercede in any way, unless safety violations occur that would injure personnel or equipment. Time will start when the student pushes forward on the chain brake lever and time will stop when the saw is shut off.

**TEST SET-UP**

Set up saw horses and log/4" X 4" post so that the cut is made on an end and not between the supports. Be sure that when the cut is made the weight is balanced enough so that the log does not move up or down. Position the cut so that the supports are to the right of the saw/sawyer. The log/4" X 4" must be secured so it will not roll or tip when the saw starts cutting.

# Score Sheet

DATE \_\_\_\_ / \_\_\_\_ / \_\_\_\_ TEST # \_\_\_\_ RETEST # \_\_\_\_ UNIT # \_\_\_\_

STUDENT'S NAME \_\_\_\_\_

EVALUATOR'S NAME \_\_\_\_\_

## STEPS AND PROCEDURES

## POINTS

- |     |   |          |
|-----|---|----------|
| 1.  | Push chain brake lever forward engaging brake | <u>3</u> |
| 2.  | Prepare to start saw                          |          |
|     | a. Saw on firm, level ground                  | <u>*</u> |
|     | b. Area clear near chain                      | <u>*</u> |
| 3.  | Place a foot into handle                      | <u>3</u> |
|     | a. Toe of boot through handle opening         | <u>3</u> |
|     | b. Holding chain saw in control               | <u>3</u> |
| 4.  | Grasp handle bar firmly                       | <u>3</u> |
|     | a. Thumb around bar                           | <u>2</u> |
| 5.  | Flip stop switch to "ON" position             | <u>1</u> |
| 6.  | Close choke                                   | <u>3</u> |
| 7.  | Set throttle latch to "ON" position           | <u>3</u> |
| 8.  | Grasp starter rope handle                     | <u>1</u> |
| 9.  | Pull up on starter rope                       | <u>3</u> |
|     | a. Slowly, until starter mechanism is engaged | <u>2</u> |
| 10. | Pull up on starter rope                       | <u>3</u> |

# Score Sheet

	<b><u>POINTS</u></b>
a.    Short, sharp pull until engine fires (bubbles)	<u>    3</u>
b.    Holding the starter handle as the rope retracts	<u>    2</u>
11.    Open choke	<u>    2</u>
a.    After saw tries to start while choked (bubbles)	
12.    Pull up on starter rope	<u>    3</u>
a.    Short - sharp pull until engine starts	<u>    3</u>
13.    Release chain break	<u>    3</u>
14.    Keep a firm grip on the saw with both hands	<u>    *</u>
a.    Thumbs and fingers encircling the handles	<u>    3</u>
15.    Throttle the engine briefly (releasing throttle latch)	<u>    3</u>
16.    Release throttle trigger	<u>    2</u>
a.    Returning engine to idle	<u>    2</u>
b.    Observing for chain movement	<u>    *</u>
17.    Set chain break	<u>    3</u>
a.    Rev engine-up and check for no chain movement	<u>    2</u>
b.    States: "Check for no chain movement"	<u>    *</u>
18.    Check throttle trigger lockout for obstacles, function, and free movement	<u>    2</u>
19.    Stand-up with brake on	<u>    3</u>

# Score Sheet

	<b><u>POINTS</u></b>
20. Release chain brake	<u>3</u>
a. Maintain control	<u>*</u>
21. Check oilers	<u>2</u>
a. Rev-up engine maximum half throttle and allow chain to rotate. Mist of oil should come off tip of bar	<u>2</u>
22. Set chain brake	<u>3</u>
23. Walk to cutting area and address materials to be cut	
a. Feet firmly planted	<u>2</u>
b. Wide balanced stance	<u>2</u>
c. Saw close to body	<u>2</u>
d. Right hand on rear handle, left hand on front handle bar	<u>*</u>
e. Firm grip with thumb and fingers encircling the handles	<u>*</u>
f. All body parts (including head) will be to the left of the chain saw bar through entire evolution	<u>*</u>
24. Release chain brake	<u>3</u>
25. Cut 4' X 4' post	<u>3</u>
a. Maintain working position	<u>*</u>
b. Open throttle fully just before starting cut	<u>2</u>
c. Bar tip slightly up when starting cut	<u>1</u>
d. Cut made with the back third of the bottom of the chain saw bar	<u>2</u>

# Score Sheet

	<b><u>POINTS</u></b>
26. Set chain brake	___ 3
27. Flip stop switch to "OFF" position	___ 1

ENTER TOTAL TIME: \_\_\_:

POINTS POSSIBLE: \_\_\_ 100

POINTS DEDUCTED:

FINAL SCORE:

**COMMENTS:**

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