

- 1) What position should the feed control bar be in during start-up?
 - a) Forward
 - b) Reverse
 - c) Neutral
- 2) Feed rollers should be greased how often?
 - a) Daily
 - b) Weekly
 - c) Monthly
- 3) Safety chains should be _____ under the tongue of the chipper hitch to provide added breakaway safety.
 - a) leghthened
 - b) crossed
 - c) removed from
- 4) What is an effective way to lock out the chipper prior to maintenance of the unit?
 - a) Close and latch feed table
 - b) Place traffic cones in-infeed chute to serve as warning others
 - c) Remove key from chipper's ignition switch
- 5) When is it safe to clear clogged debris from the chipper discharge chute?
 - a) When r.p.m.s are below 1600 and feed control bar is positioned in reverse
 - b) When chipper has been shut down and all motion has ceased
 - c) When the feed control bar is in neutral and the engine speed is at idle
- 6) It is important to make sure the clutch is greased daily before use of the chipper.
 - a) True
 - b) False
- 7) Once the engine is running, the clutch should be engaged....
 - a) at engine idle speed
 - b) at 2200 r.p.m.s
 - c) The clutch should never be engaged when the engine is running!
- 8) When attempting to free material clogged in chipper drum (seizing drum and stopping rotation)...
 - a) Increase r.p.m.s and push/pry material with shovel or other long handled implement
 - b) Shut down chipper, remove key, raise hydraulic feed rollers, insert locking pin and access debris clogged in drum
 - c) Shut down chipper, remove key, release tension springs, spread rollers apart and access debris clogged in drum

| Sequence of Basic Steps | Potential Hazards / Hazardous Conditions | Recommended Safety Procedures |
|---|--|---|
| <p>10) Unhooking Chipper unit from truck...</p> <ul style="list-style-type: none"> a) Unplug trailer lights and trailer breaks from truck b) Unhook safety chains c) Remove cotter pin and release pintle hitch arm on truck d) Operate switch to lower hydraulic jack stand e) Move truck away from chipper | <p>Crushed foot / Personal injury</p> | <p>Ensure all personnel are clear of the hydraulic jack stand before and stand during operation.</p> |
| <p>11) Hooking Chipper unit to truck...</p> <ul style="list-style-type: none"> a) Back truck into position for hookup of chipper onto trailer hitch b) Operate switch to lower hydraulic jack stand to position chipper into hitch c) Lock down pintle hitch and secure cotter pin in position d) Connect trailer brake and safety chains to truck. Plug trailer lights into truck's outlet | <p>Personal injury / Damage to equipment</p> <p>Personal injury / Pinched appendages</p> | <p>Have spotter guide truck operator into position for ease and safety. Spotter shall be visible to the driver at all times when the truck is moving. Spotter and truck operator shall be able to clearly communicate with hand signals pertaining to vehicle movement and safety.</p> <p>Ensure all personnel are clear of the hydraulic jack stand before and stand during operation.</p> |
| <p>Additional safety measures</p> | | <p>Never work on the machine while it is running. Never open chipper hood while drum is turning. Never start the chipper with the drum open. Never stand in the path of the discharge chute when the chipper is running or moving even after shut off.</p> |

- 9) When loading branches onto the feed table for chipping...
- a) feed material from the side of the infeed chute, large end of log/branch first, and step away from the chipper.
 - b) stand behind branches and push them in with hands, feet, rake or shovel.
 - c) never climb on the feed table or reach near the feed roller. Use another piece of wood to move shorter pieces into feed rollers.
- 10) A small wood chip caught between the chipper knife and anvil - stopping free movement of the drum - can cause the clutch to 'burn out' if forcefully engaged
- a) True
 - b) False

Answers to the Vermeer BC2000 Chipper Operation Quiz

- 1) c
- 2) a
- 3) b
- 4) c
- 5) b
- 6) b
- 7) a
- 8) c
- 9) a & c
- 10) a