4097

WHEEL LOADER OPERATION TECHNIQUES

Review Quiz
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Name ___________________________ Date ___________________________

1. Whenever traveling down a hill, put the wheel loader in neutral and let it coast down, its quicker and safer.
   a. True.
   b. False.

2. Wheel loaders are exempt from local traffic laws when being driven on the road.
   a. True.
   b. False.

3. When securing a wheel loader to a trailer, it is sometimes necessary to tie a knot in a chain to shorten it.
   a. True.
   b. False.

4. When transporting a wheel loader on a trailer you should ________.
   a. never cover the opening of the exhaust stack
   b. remove the exhaust stack
   c. cover the opening of the exhaust stack

5. Before transporting a wheel loader on a trailer, measure from the highest point of the machine to the floor of the trailer to make sure it will fit under low bridges which may need to be crossed under.
   a. True.
   b. False.

6. The condition of a haul road ________ if the wheel loader repeatedly travels from one point to another throughout the day on it.
   a. has an effect on wheel loader productivity and safety.
   b. has no effect on wheel loader productivity and safety
   c. should be ignored

7. It is OK to use variations to standard operating hand signals as long as both the person giving the signals and the operator discuss them in advance.
   a. True.
   b. False.
8. Taking risks that jeopardize safety is sometimes necessary when operating a wheel loader on jobsites.
   a. True.
   b. False.

9. It’s OK to give someone a ride in the bucket of the wheel loader as long as you move slowly, the passenger is holding on tightly, and the bucket is only a few inches off the ground.
   a. True.
   b. False.

10. When operating on a slope, while traveling parallel to it, if the wheel loader starts to slide sideways, _____________.
    a. turn downhill and put the bucket on the ground.
    b. turn uphill and put the bucket on the ground.
    c. jump clear of the wheel loader.

11. Fully raising the loaded bucket and then making a tight turn to drive over to an approaching dump truck is the best way to set-up for truck-loading when working on uneven ground.
    a. True.
    b. False.

12. Exceeding the carrying load of the machine will often cause the rear wheels of the wheel loader to come off the ground when dynamic forces come into play.
    a. True.
    b. False.

13. As the load is raised from ground level it moves further away from the machine for the first few feet of vertical travel, resulting in decreased stability.
    a. True.
    b. False.

14. A wheel loader that has a transmission disconnect feature often has two brake pedals. This allows the operator to apply the throttle to power the hydraulics while applying the brakes.
    a. True.
    b. False.

15. If the air pressure gets too low on a wheel loader with air-brakes _____________, the spring induced emergency parking brakes will kick on automatically and will not release until the air pressure is built back up again.
    a. the spring induced emergency brakes will not be able to kick on.
    b. keep pressing the brake pedal to pump up the pressure.
    c. the spring induced emergency parking brakes will kick on automatically and will not release until the air pressure is built back up again.
16. It’s always safest to use the mirrors rather than turning your head to look behind you before backing up.
   a. True.
   b. False.

17. The best time to fuel a wheel loader is at the beginning of the day after the machine has had a chance to cool off overnight.
   a. True.
   b. False.

18. Cutting off the master electrical switch is not a good idea when the wheel loader is going to be parked for several days.
   a. True.
   b. False.

19. Locking the engine compartment and fuel tank cap when leaving the wheel loader overnight ________.
   a. is useless because thieves usually carry tools to break locks.
   b. is a good way to discourage vandalism and theft.
   c. is not recommended

20. The best way to change directions from forward to reverse when constantly going back and forth is to simply use the transmission Forward-Neutral-Reverse lever, this helps to prevent excessive wear and tear on the brakes.
   a. True.
   b. False.
ANSWER KEY:

1. b. False – Put the machine in gear and let the breaking power of the engine assist with keeping the machine under control.
2. b. False
3. b. False – Tying a knot in a chain is never acceptable.
4. c. - Air flowing into the stack may cause the turbo to windmill without lubrication.
5. b. False – Measure the TOTAL HEIGHT from the ground (not the height from the floor of the trailer.)
6. a.
7. a. True – It’s best to always use standard hand signals but variations are common.
8. b. False – Sometimes it foremen or others may ask you to do something unsafe but it is never necessary. You are better off refusing to do such work and insisting on safe operation practices.
9. b. False – It’s NEVER OK for anyone to ride in a wheel loader unless they are in a seat wearing a seat belt.
10. a. – Turn DOWNHILL and put the bucket on the ground. Turning uphill is often a natural reflex, which may make the problem worse.
11. b. False – You should never travel around with a loader that is fully articulated when the bucket is loaded raised to maximum height, as this creates an unstable condition.
12. a. True
13. a. True
14. a. True
15. c.
16. b. False – You should always turn your head to look behind you before backing up in addition to using the mirrors.
17. b. False – Allowing an empty fuel tank to sit overnight allows condensation to build up inside the fuel tank. The best time to fuel is at the end of the day when the shift is over.
18. b. False – This is a good practice as it lowers the risk of electrical fires and vandalism.
19. b.
20. b. False – It’s the other way around… Using the brakes to stop the wheel loader causes less wear and tear on the transmission. Never put a transmission into reverse when the wheel loader is moving forward. Use the brakes to stop, and only then, put the wheel loader into reverse.