

FRONT END LOADER

This Evaluation Guide for Skills Demonstration is to be used in the evaluation of an operator for certification on the specific piece of equipment stated above. It is intended that this Guide be followed closely during an evaluation, and the operator is expected to demonstrate competency in each of the items listed. However, variances may be made in some situations when, in the opinion of an evaluator, site conditions, operational constraints or the demonstrated skill of the operator requires that an item(s) be deleted or added to ensure a comprehensive evaluation.

1. Performs a thorough pre-op inspection and preventive maintenance, as needed

- Visually inspects exterior of machine for loose, leaking, hanging, or broken parts
 - Enters cab using steps and grab handles for safety (3 point climbing procedure)
 - Removes keys from ignition for safety
 - Ensures that parking brake is applied
 - Ensures that transmission is in neutral or lowest forward gear or reverse, as per policy
 - Ensures that battery disconnect is turned off
 - Performs general safety checks including unsecured objects
 - Inspects the following machine components
 - Engine
 - * Checks oil, coolant, power steering and window washer levels (and fills as needed)
 - * Checks the radiator fins for cracks, distortion, debris and any signs of leakage
 - * Checks fan for presence and condition
 - * Checks air restriction indicator (monometer) and cleans dust valve daily
 - * Checks that oil and fuel filters are in good condition, secured tight, and without leaks
 - * Checks batteries for corrosion and to be properly secured
 - * Checks that master switch is on
 - * Inspects condition and tightness of belts
 - * Checks turbo charger for leaks and cracks
 - Steering and Suspension
 - * Checks tires for tread depth, proper inflation and obvious defects
 - * Checks wheels/rims for tightness, cracks, valve stem alignment, slippage or any damaged, broken or missing parts
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- Rear Axle and Suspension
 - * Inspects drive shaft visually for damage, debris or any sign of failure
 - * Checks tires for tread depth, proper inflation and obvious defects
 - * Checks wheels/rims for tightness, cracks, valve stem alignment, slippage or any damaged, broken or missing parts
 - Exterior
 - * Checks fuel tank for damage or leaks and fuel levels
 - * Checks lights, warning lights and reflectors are clean and intact, properly attached and operating correctly
 - * Checks exhaust system for damage and leaks
 - * Checks bucket blade for wear
 - * Makes sure that safety bar is in stored position
 - * Checks bucket pins and lift arms pins, greases as necessary
 - * Greases trunion and pivot points weekly
 - * Drains moisture from air tanks
 - * Checks dust bowl pre-cleaner
 - Cab Interior
 - * Performs general safety check including unsecured objects
 - * Describes functions of all controls and switches
 - * Inspects presence and condition of seat belts and other safety equipment, including horn, charged and secured fire extinguisher, first aid kit and emergency triangles
 - * Inspects for free play in the steering wheel
 - * Inspects for clean and undamaged glass and mirrors, working wipers/washers and heater/defroster
- Checks that warning and safety decals are in place
 - Distinguishes when vehicle should not be operated
 - Verifies vehicle is safe to operate
 - States all safety warnings for machine
 - Checks all auxiliary systems (steering, braking, bucket control)

2. Makes sure that the work site is suitable for Loader operation

- Checks area around work site for: obstacles, smoothness, overhead wires, condition of the pile, indicators of underground lines and pipes and notifies UFPO if necessary
- Identifies dangerous site conditions such as frozen berms, frozen overhangs on stockpiles, etc.

3. Observes all safety procedures

- Adjusts seat and controls to operator
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- Fastens seat belt
- Wears personal safety gear as appropriate (hard hat, vest, proper footwear)

4. Moves the Loader smoothly to the pile

- Starts machine and brings engine up to speed
- Checks indicator bulbs
- Steps on foot brake and releases parking brake
- Operates loader in proper gear
- Raises bucket high enough to not strike ground, but low enough to see over
- Engages gears and moves forward

5. Bucket enters pile squarely and smoothly and scoops the load

- Lowers bucket to move into the pile
- Locks into hold so that wheels stay on ground
- Cups the load by curling the bucket
- After scooping, rolls bucket back to obtain a relatively full bucket
- Looks for obstacles before backing

6. Moves machine and load away from the pile with machine and load in balance

- Checks mirrors to ensure area around machine is clear
- Backs up enough so that bucket is clear of the pile
- Lowers bucket so that machine has a safe balance
- Turns and stops with machine pointed toward truck

7. Moves load into position over the truck dump body while avoiding obstacles and keeping the machine steady

- S** Moves slowly to truck without losing load or tipping loader
- Utilizes transmission cutout pedal to lift arms above the height of the truck hopper while avoiding the truck's side boards
 - Approaches on the left side of the truck whenever possible to ensure that the tailgate lever is latched and to avoid damaging the ladder on the right side

ALTERNATE PROCEDURE TO CENTERING THE BUCKET:

- Straightens machine to the truck
 - Approaches truck while raising the bucket in a manner that keeps the loader from bouncing
 - Only uses this approach on stable ground
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8. Dumps load squarely into dump body

- Squares up over the dump body so that there is a clear shot into the box
- Positions bucket over dump body so that material dumps into center of box
- Uncurls bucket keeping it clear of the truck
- "Feathers" the uncurling of the bucket so material is released evenly
- Raises arms and moves forward while dumping so that bucket stays centered and doesn't hit truck
- Does not spill load during dumping

9. Backs machine away from truck to continue work cycle

- Rolls bucket back so that it is parallel to ground and ready to dig
- Moves back keeping clear of the truck
- Lowers arms close to ground (apx. one foot) to keep loader stable while moving to pile or transporting
- Loads a minimum of 3 buckets

10. Demonstrates proper use and knowledge of attachments

11. Parks and shuts down machine properly

- Parks vehicle in appropriate area
- Lowers bucket to ground
- Sets parking brake
- Uses proper engine shutdown procedure (Idles machine for 3 - 5 minutes)
- Exits machine using 3 point climbing procedure
- Cleans and secures vehicle as appropriate
- Completes Post Operational check

The below signatures indicate the operator has successfully completed the skills demonstration.

Signature of
Evaluator: _____ Date: _____

Signature of
Operator: _____ Date: _____

Reference: New York State Department of Transportation
