

# LOADER-4WD ARTICULATED, LEVEL 2

## Training Outline

Equipment Course Code EQ913001T

This training is for employees who are required to operate a four-wheel drive articulated loader under all normal operating conditions/requirements and for those currently qualified as a Loader-4WD Articulated, Level -1 operator who wish to move to level 2 qualification. A Walk-Around procedure is required before this training occurs.

### Part 1: Safety

- Review general safety expectations
- Review hand signals
- Review three point entrance and exit of equipment
- Verify protective clothing and equipment including head, eye, hearing, hand, and foot protection

### Part 2: Pre-trip inspection

- Fluid Leaks
  - Engine oil
  - Hydraulic Fluid
  - Transmission fluid
  - Coolant fluid
  - Brake fluid
- Lights:
- Head lights
  - Working lights
  - Tail lights
  - Brake lights
  - Blinkers
  - Four way flashers
  - Strobe light/Roto-beacon

- Engine belts
  - Mirrors
  - Wheels/rims/lug nuts
  - Cutting edge
  - Articulation lock  
(Explain locking device for transport)
- Gauges
- Tires
  - Bucket lock pins
  - Back-up alarm

### Part 3: Equipment start-up

#### Engine start-up

- Start up
- Warm-up/idling period
- Instrument panel gauge check
- Cab controls familiarization

#### Brakes

- Low air warning
- Use of parking/emergency brake

#### Proper head light use

- Traveling
- Working

### Part 4: Basic Operation

#### Clutch engage/disengage and transmission

- Proper clutch use (if present)
- Proper gear shifts (smoothly)
- Proper gear selection (for situation)

#### Bucket use

- Hook/unhook bucket (attachments)
- Use of automatic leveler-Use of float/return to dig
- Joy stick or dual control use

- Bucket carrying height on level ground (12-18 inches)
- Bucket carrying height on a grade
- Mixing salt/sand
- Climbing a pile
- Cutting a level grade
- Back dragging

#### Forward/Reverse Traveling & Stopping

- Proper gear selections
- Changing gears when traveling in forward-reverse directions
- Stopping & resuming travel without rolling
- Stopping & resuming travel smoothly

#### Backing

- Walking to the rear to check conditions when needed
- Constant use of rearview/side mirrors
- Backing slowly and cautiously while controlling speed and direction
- Using a spotter
- Signaling or use of spotter warning/hand signals

#### Loading trucks

- Travel pattern when loading trucks
- Raising bucket on approach to truck box
- Lowering bucket upon clearing truck box
- Load centering side to side
- Load centering front to back

#### Lifting materials

- Chain/cable inspection
- Lifting tag information
- Proper hook use
- Proper lift and carry

### Part 5: Parking/Engine shutdown

- Lowering bucket to ground/level position
- Placing transmission in neutral
- Parking brake application
- Cool down/idling period

### Part 6: Post-Trip Inspection

- Walk around post-trip inspection procedure
- Noting defects
- Post-trip paperwork if required