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Inspection Checklist for 2016 DEERE 450J LGP



Equipment Details

- **Make/Model:** 2016 DEERE 450J LGP
- **Machine Hours:** 3,802
- **Operating Weight:** 17,562 lbs
- **Engine:** 74 HP Diesel Engine
- **Blade:** 6-Way Hydraulic Blade
- **Transmission:** Power Shift Transmission
- **ROPS:** Canopy

1. Engine System

- **Engine startup:** Smooth, no unusual noises or smoke.
- **Idle performance:** Stable idle, operates within normal parameters.
- **Exhaust system:** Clean, no excessive smoke.
- **Engine enclosures:** Secure and intact. No damage noted.
- **Oil level & condition:** Optimal level; oil is clean.
- **Air filter:** Clean; no restriction.
- **Belts and hoses:** Good condition, no cracks or wear.
- **Cooling system (radiator, hoses):** No leaks; radiator fins clean and undamaged.

2. Transmission & Drivetrain

- **Power shift transmission operation:** Smooth shifting, no slipping or lag.
- **Transmission fluid level & condition:** Optimal level, clean; no contamination.

- **Final drives:** No leaks, no unusual noises during operation.
- **Tracks alignment:** Tracks aligned within manufacturer specs.
- **Track tension:** Properly adjusted; no excessive wear.

3. Undercarriage

- **Tracks:** 70% life remaining; no damage or breaks.
- **Rollers:** Good condition; no play or leaks.
- **Sprockets:** Minimal wear; good engagement with tracks.
- **Idlers:** Rotates smoothly; no damage noted.
- **Shoes:** Minor wear; no excessive rounding or cracks.

4. Blade System

- **Blade operation:** 6-way blade functions properly; smooth hydraulics.
- **Cutting edge:** Minor wear; replacement recommended in 200 hours.
- **Blade structure:** Straight; no cracks or weld repairs.
- **Hydraulic cylinders:** No leaks; seals intact.
- **Blade pins and bushings:** Good condition; minimal wear noted.

5. Hydraulic System

- **Hydraulic fluid level:** Optimal; clean with no contaminants.
- **Hoses and connections:** No leaks, cracks, or wear.
- **Cylinder operation:** All cylinders operate smoothly.
- **Hydraulic pump performance:** Operating within manufacturer parameters.
- **Auxiliary hydraulics:** No leaks; system fully operational.

6. Electrical System

- **Battery condition & terminals:** Battery in good condition; terminals clean.
- **Starter motor:** Starts engine smoothly.
- **Alternator output:** Charging system operational.
- **Lights and indicators:** All lights functional; no burned-out bulbs.
- **Gauges and displays:** All gauges working and reading accurately.

7. Operator Station

- **Seat condition:** Good condition; no tears or wear.
- **ROPS canopy:** Secure; no dents, rust, or damage.
- **Control levers and pedals:** Fully functional, no stiffness.
- **Visibility:** Excellent visibility; clean operator area.
- **Floor and panels:** Clean and undamaged.

8. Overall Condition Assessment

- **Engine:** Runs and operates great.
- **Transmission:** Smooth operation; no issues.
- **Undercarriage:** 70% remaining life; well-maintained.
- **Blade system:** Minor wear on cutting edge; operational.
- **Hydraulics:** No leaks; fully functional.
- **Operator station:** Clean and well-maintained.
- **Overall Condition:** Good (85%)

Summary

- The 2016 DEERE 450J LGP bulldozer has been thoroughly inspected and found to be in good operating condition with minor wear typical for its hours (3,802). The machine runs and operates as expected, and critical components such as the engine, transmission, hydraulics, and undercarriage are in excellent working order.
- Minor recommendations include monitoring blade cutting edge wear and track shoe condition for future replacement.
- This bulldozer is work-ready and performs to manufacturer specifications.