



**Albatross Equipment Earthworks**  
10998 WY-789 Riverton, WY 82501  
[www.albatrossequipment.com](http://www.albatrossequipment.com)

## **Inspection Checklist for 2019 CATERPILLAR 310**



### **1. Hydraulic System**

- Hydraulic Fluid Levels: Fluid at recommended levels; no visible leaks from hoses, cylinders, or couplers.
- Hoses and Fittings: No cracks, wear, or bulging; all fittings secure.
- Cylinders: Double-cylinder push blade hydraulic cylinders functional with no pitting, dents, or leaks.
- Hydraulic Pumps: Operates smoothly with no unusual noises or fluctuations in pressure.
- Auxiliary Valves: Valves fully operational; no signs of leakage or blockages.

### **2. Undercarriage Condition**

- Tracks: Metal tracks with rubber pads show moderate wear; rubber pads have 70% life remaining with no major cuts or missing sections.
- Sprockets and Rollers: Sprockets, rollers, and idlers in good condition; no excessive wear or damage.
- Track Tension: Tension within manufacturer specifications; no signs of slack or over-tightening.

### **3. Boom, Arm, and Bucket**

- Boom and Arm: Structurally sound with no cracks, dents, or signs of stress. Pins and bushings have minimal play.

- Bucket: 36" bucket in good condition; minor wear on edges and teeth, but no cracks or structural issues.
- Hydraulic Cylinders: Fully operational with no leaks; smooth movement during operation.

#### **4. Swing Drive and Swing Motor**

- Swing Drive: Smooth rotation with no unusual noises, jerks, or resistance.
- Swing Motor: No leaks or damage observed; motor operates efficiently under load.

#### **5. Engine**

- Oil Levels: Checked and within recommended range; no signs of contamination or excessive wear.
- Filters: Engine oil, fuel, and air filters recently replaced; no clogging observed.
- Exhaust: Clean exhaust with no unusual smoke or odors during operation.
- Performance: Engine runs smoothly with no unusual vibrations or loss of power.

#### **6. Cab Condition**

- Interior: Clean and free of debris. Operator seat and controls in excellent condition.
- Controls and Gauges: All controls, gauges, and switches functional. No signs of wear or malfunction.
- Visibility: Glass panels intact with no cracks or scratches; good operator visibility.
- HVAC System: Heating and air conditioning working efficiently.

#### **7. Electrical Systems**

- Battery: Fully charged with secure terminals; no corrosion observed.
- Lights: All lights operational, including work lights and safety indicators.
- Wiring: No frayed wires, loose connections, or signs of wear.

#### **8. Blade Condition**

- Double-Cylinder Push Blade: Structurally sound with no bends or cracks; cylinders fully operational and free from leaks. Blade edge shows moderate wear with no damage.

#### **9. General Observations**

- Frame and Chassis: Solid construction with no visible damage or signs of fatigue.

- Lubrication: All pivot points and joints adequately greased.
- Overall Operation: Machine operates smoothly with no performance issues noted during testing.