



Albatross Equipment Earthworks
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Inspection Checklist for 2019 CATERPILLAR 310



1. Hydraulic System

- **Hydraulic Fluid Levels:** Fluid at recommended levels; no visible leaks from hoses, valves, or connections.
- **Hydraulic Pump:** Operational with no unusual noises during testing.
- **Hydraulic Cylinders:** Inspected all cylinders (boom, arm, bucket); no leaks or dents, seals intact, smooth operation.
- **Auxiliary Valves:** Fully functional, providing consistent pressure.

2. Boom, Arm, and Bucket

- **Boom and Arm Condition:** Minor wear visible on the surfaces; no cracks, dents, or non-factory welds detected.
- **Bucket Condition:** 42" bucket in good condition with no missing teeth or excessive wear.
- **Pins and Bushings:** Minimal play detected; grease points in satisfactory condition.

3. Undercarriage

- **Tracks:** Metal tracks with rubber pads show 70% life remaining; no major damage or cracking on pads.
- **Sprockets:** Inspected for wear; sprockets in good condition with even wear patterns.

- **Rollers and Idlers:** Rollers functional; moderate wear consistent with machine hours. Idlers aligned and operational.

- **Track Tension:** Properly adjusted, within manufacturer's specifications.

4. Engine

- **Oil Levels:** Checked and within normal range; no leaks detected around seals or connections.

- **Coolant Levels:** Coolant at recommended levels with no visible contamination.

- **Exhaust System:** No unusual noise or smoke during operation; emissions within normal range.

- **Filters:** Air and fuel filters clean and properly maintained.

5. Swing Drive and Motor

- **Swing Drive:** Operates smoothly with no jerking or unusual noises during testing.

- **Swing Motor:** Fully functional; seals intact, and no fluid leaks present.

6. Push Blade

- **Condition:** Dual-cylinder push blade shows moderate wear; edges are straight and free from cracks or bends.

- **Hydraulic System:** Cylinders and hoses inspected; no leaks or performance issues detected.

7. Cab Interior (EROPS)

- **Operator Controls:** All controls functional; levers and pedals responsive without excess resistance or play.

- **Visibility:** Windows are intact with no cracks or significant scratches.

- **HVAC System:** Heat and A/C functioning efficiently; vents clean and unobstructed.

- **Operator Seat:** Good condition, no tears or excessive wear.

8. Electrical System

- **Battery:** Tested and holding charge; terminals clean and free from corrosion.

- **Lights:** All exterior and interior lights operational, including work lights and warning indicators.

- **Gauges and Monitors:** All gauges functional, providing accurate readings during operation.

9. Structural Components

- **Frame:** Inspected for cracks, bends, or repairs; found to be structurally sound.

- **Counterweight:** Securely attached with no visible damage or excessive wear.

10. Operational Test

- **Startup and Idle:** Engine starts smoothly and idles without vibration or unusual noise.

- **Travel Performance:** Tracks propel evenly with consistent speed and steering response.

- **Hydraulic Operations:** Bucket, boom, and arm movements smooth and responsive under load.

Summary of Inspection

- The **2019 Caterpillar 310** is in **good condition** overall.

- Minor wear noted on tracks and hydraulic components, consistent with machine hours.

- No critical issues identified; all systems functional and ready for operation.