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## Inspection Checklist for 2019 Caterpillar 299D2



Model: 2019 Caterpillar 299D2

Hours: 2,903

Condition: Good

Features: Rubber Track, EROPS, High Flow XPS, 2-Speed, Hydraulic Quick Attach Bucket, Auxiliary Valves

### Exterior and Structural Integrity

- **Loader Arms:** No signs of bending, cracks, or excessive wear; all pivot points securely fastened.
- **Chassis and Frame:** Frame is level and exhibits no deformities or signs of collision damage.
- **Cab Structure (EROPS):** Fully enclosed cab with no cracks, dents, or missing panels; glass in excellent condition.

### Hydraulic System

- **Hydraulic Hoses:** Inspected for wear, leaks, and damage; no visible issues detected.
- **Auxiliary Valves:** Operate correctly with no pressure drops or leaks under load.
- **Hydraulic Quick Attach System:** Fully functional; connects securely and operates smoothly.
- **Hydraulic Pump:** High Flow XPS system provides consistent flow rates under load; no unusual noises or signs of malfunction.

### Rubber Tracks and Undercarriage

- **Tracks Condition:** 75% tread life remaining; wear is uniform with no cuts, cracks, or missing lugs.

- **Track Tension:** Adjusted to manufacturer specifications; no sagging or over-tightness.
- **Idlers and Rollers:** Smooth operation with no excessive wear or damage.
- **Drive Motors:** Inspected for leaks; motors operate without abnormal noise or vibration.

### **Engine and Powertrain**

- **Engine Performance:** Starts smoothly; no unusual noises, smoke, or vibrations during operation.
- **Oil Levels:** Engine oil within recommended range; no signs of contamination or leaks.
- **Cooling System:** Radiator clean and free of debris; coolant at correct level and temperature remains stable under load.
- **2-Speed Transmission:** Shifts smoothly between speeds with no delays or unusual noises.

### **Operator Controls and Electronics**

- **Joystick Controls:** Responsive and accurate; no looseness or lag.
- **Instrument Panel:** All gauges, indicators, and displays functioning correctly.
- **Lights:** Fully operational, including safety lights and work lamps.
- **Air Conditioning and Heat:** System operates as intended, maintaining consistent cabin temperature.

### **Bucket and Attachments**

- **Quick Attach System:** Engages and releases attachments securely with no excessive play.
- **Bucket Condition:** No cracks, bends, or excessive wear; cutting edge intact.
- **Auxiliary Hydraulics:** Tested under load; no pressure loss or performance degradation.

### **Fluid Levels and Maintenance**

- **Engine Oil:** Level and quality meet manufacturer's recommendations.
- **Hydraulic Fluid:** Within operating range; no signs of contamination.
- **Coolant:** Correct level and free of debris or discoloration.
- **Grease Points:** All fittings lubricated and free of dirt or debris buildup.

### **Operational Test**

- **Engine Startup:** Starts smoothly with no warning lights on the dashboard.
- **Loader Arms and Bucket:** Raise, lower, tilt, and dump functions operate smoothly without unusual noise.
- **Travel:** Tracks engage and propel machine in forward/reverse and both speeds without hesitation.
- **Brakes:** Parking and operational brakes engage effectively.

### **Summary of Condition**

This 2019 Caterpillar 299D2 is in good working condition with 2,903 operating hours. All major components, including the engine, hydraulic system, and undercarriage, have been inspected and verified to be functioning properly. Rubber tracks have approximately 75% tread remaining, and the cab is clean and fully functional. Minor wear consistent with operating hours was noted, but no significant issues or repairs are required at this time. This skidsteer is work-ready and suitable for immediate deployment in demanding environments.