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Inspection Checklist for 2021 Caterpillar 279D3

Equipment Information

- **Model:** 2021 Caterpillar 279D3
- **Hours:** 2,633
- **Condition:** Good
- **Features:** Enclosed cab w/ air, hydraulic quick-connect GP bucket, rubber tracks.



Inspection Results

General Condition

- **Exterior:** No visible dents, cracks, or non-factory welds. Paint in good condition with minor scratches typical for hours.
- **Cabin:** Enclosed cab is clean, with all windows intact and free of cracks. Air conditioning system tested and functioning.

Loader Arm Assembly

- **Visual Inspection:** Loader arms show no signs of bending, cracks, or excessive wear. Pins and bushings appear in serviceable condition with minimal play.
- **Hydraulics:** Hoses and connections inspected; no leaks or wear detected.
- **Hydraulic Quick Coupler:** Operates smoothly with no obstructions or mechanical issues.

Bucket

- **Condition:** GP bucket in good shape with no cracks, excessive wear, or missing teeth. Edges inspected and found within wear limits.

Hydraulic System

- **Fluid Levels:** Hydraulic fluid level checked and within recommended range.
- **Hoses and Connections:** Inspected for leaks, kinks, and wear. All components functional with no issues.

Tracks and Undercarriage

- **Rubber Tracks:** Tracks exhibit uniform wear with approximately 70% tread life remaining. No cuts or damage to rubber.
- **Undercarriage:** Components inspected, including rollers, idlers, and sprockets; all in good working condition with no excessive wear.

Engine and Powertrain

- **Engine:** Smooth start with no unusual noises, vibrations, or smoke. Caterpillar engine is clean and dry.
- **Air Filter:** Filter inspected and found clean with no obstructions.
- **Oil and Fluids:** Oil level within specification and no signs of leaks in the engine compartment.

Electrical System

- **Battery:** Fully charged and terminals free of corrosion.
- **Lights:** All exterior and interior lights operational.
- **Gauges and Controls:** Dash displays and gauges functioning properly. Operator controls are responsive with no noticeable issues.

Operator's Cabin

- **Seat and Controls:** Operator seat shows minor wear but is clean and intact. All controls, including joystick and pedals, are operational.
- **Cab Environment:** Heating and air conditioning systems tested and in working order. Cabin seals prevent dust ingress.

Auxiliary Hydraulics

- **Connections:** Auxiliary hydraulic connections are in good condition with no leaks or damage.

- **Flow Test:** Hydraulic flow rate tested and meets manufacturer specifications.

Safety Systems

- **Horn:** Functional.
- **Emergency Stop:** Emergency stop button operational.
- **Backup Alarm:** Backup alarm tested and functioning.

Additional Features

- **Hydraulic Quick Connect:** Engages and disengages seamlessly.
 - **Overall Performance:** Machine performs well during operational test. No abnormal noises or behavior detected during load simulation.
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Inspection Summary

The 2021 Caterpillar 279D3 is in **good condition** with all major systems operational. Routine wear consistent with usage (2,633 hours) noted but does not affect performance. Hydraulic, electrical, and mechanical systems are in good working order. This Skidsteer is work-ready.