



Albatross Equipment Earthworks
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Inspection Checklist for 2019 Caterpillar 279D3



General Condition

- Visual Inspection: No visible damage, rust, or excessive wear on the exterior.
- Paint Condition: Minor scratches consistent with normal use. No peeling or fading.
- Decals and Labels: Legible and securely affixed.

Operator's Cabin (EROPS)

- Cab Integrity: Fully enclosed, no cracks or damage to glass or structure. Seals are intact.
- Air Conditioning & Heater: Functional; A/C blows cold air, heater operates effectively.
- Controls and Display Panel: All controls responsive and error-free. Display panel operational and error codes cleared.
- Seat Condition: Clean and undamaged with functional adjustments.
- Safety Features: Seatbelt operational; emergency exits accessible.

Hydraulic System

- Hydraulic Lines and Connections: No visible leaks; hoses are intact and securely attached.
- Hydraulic Fluid Levels: Within the recommended range, fluid is clean with no contamination.
- Auxiliary Valves: Fully functional; tested under load with no pressure loss.
- High Flow XPS System: Operates efficiently; flow rate consistent with specifications.

Engine

- Engine Performance: Starts smoothly; no unusual noises, vibrations, or smoke.
- Oil Levels and Quality: Oil levels within range; no signs of contamination or excess wear.
- Air Filter: Clean and recently serviced.
- Cooling System: Radiator and coolant levels are in good condition; no leaks or overheating observed.

Rubber Tracks and Undercarriage

- Track Condition: Uniform wear with approximately 75% tread remaining.
- Track Tension: Correctly adjusted; no signs of slippage or misalignment.
- Undercarriage Components: Rollers, idlers, and sprockets are free of damage and function as expected.

Loader Arms and Attachments

- Loader Arms: Straight and structurally sound; no cracks, excessive wear, or bending.
- Hydraulic Quick Attach: Smooth engagement and disengagement; securely locks attachments.
- Bucket Condition: Minor wear on edges; no dents or significant damage.
- Lifting Capacity: Operates within specifications with no hydraulic drift observed during load tests.

Electrical System

- Battery and Connections: Battery holds charge; terminals are clean and secure.
- Lights and Indicators: All lights (work lights, warning lights) are operational.
- Wipers and Washers: Functional; blades in good condition.
- Horn and Alarms: Fully operational.

Transmission and Drivetrain

- 2-Speed Transmission: Shifts smoothly; no delays or abnormal noises.
- Drive Motors: Responsive and provide consistent power.
- Steering: Smooth operation; no unusual noises or resistance during turns.

Fluid Levels and Maintenance

- Engine Oil: Recently changed; filter replaced.
- Coolant: Levels are sufficient; no signs of contamination.
- Hydraulic Fluid: Clean and filled to proper levels.
- Grease Points: All grease fittings serviced; no dry or ungreased joints.

Additional Notes

- Overall Assessment: This 2019 Caterpillar 279D3 is in good condition, with all systems functioning properly.
- Recommended Actions: None; machine is work-ready.