



Albatross Equipment Earthworks
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Inspection Checklist for 2018 Caterpillar 416F2



Engine and Powertrain

- Engine Performance: Tested under load; smooth operation with no unusual noises or excessive vibration. Excellent throttle response.
- Fluid Levels: Engine oil, coolant, and hydraulic fluids checked; all at proper levels. No leaks detected.
- Air Filter: Inspected and cleaned; replacement not required.
- Exhaust System: No visible damage or leaks; emissions within normal parameters.
- Transmission: Powershift transmission tested; smooth gear changes with no delays or abnormal noises.
- Hour Meter Accuracy: Verified; matches physical condition of the machine.

Hydraulic System

- Hydraulic Pump: Tested; delivers consistent pressure and flow. No cavitation or noise issues.
- Cylinders: Boom, dipper, and bucket cylinders inspected; minor surface wear noted but seals are intact with no leaks.
- Auxiliary Hydraulics: Fully operational; tested with attachments.
- Hoses and Lines: Inspected; no cracks, bulges, or leaks.
- Hydraulic Fluid: Level and condition are within specifications.

Structural Components

- Boom and Stick: Inspected for cracks, bends, or non-factory welds; structurally sound.
- Quick Coupler: Rear coupler functions properly; no excessive play or wear.

- Buckets: 89" GP bucket and 22" digging bucket inspected; edges and teeth show normal wear, still work-ready.
- Frame and Chassis: Solid with no visible damage, rust, or fatigue.

Operator's Cabin

- Seat and Controls: Seat in good condition; all controls responsive and ergonomically sound.
- Visibility: Windows clean and free of cracks; mirrors in place and adjusted.
- Air Conditioning: Blows cold; heater operational.
- Instrumentation: All gauges and indicators functional; no error codes displayed.
- Safety Features: Backup alarm, seatbelt, and emergency brake fully operational.

Tires and Undercarriage

- Front Tires (12.5/80-18): Tread at 70%; even wear. No sidewall damage.
- Rear Tires (19.5L-24): Tread at 75%; even wear. No punctures or leaks.
- Axles and Driveshafts: Inspected; no visible damage or excessive play.

Electrical System

- Battery: Load-tested; strong charge, terminals clean and secure.
- Lighting: All headlights, taillights, and work lights operational.
- Wiring: Inspected for wear or damage; no exposed or frayed wires found.

Additional Notes

- Overall Condition: The machine is in excellent working order, reflecting good maintenance practices. Some components show normal wear consistent with machine hours but do not require immediate attention.
- Maintenance Recommendations: Routine servicing recommended in 100 hours, including oil and filter changes.

****Inspector's Remarks:**** The 2018 Caterpillar 416F2 has passed all key inspection points. This backhoe loader is in great operational condition and ready for work. No immediate repairs or major maintenance required.