



Albatross Equipment Earthworks
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Inspection Checklist for 2014 CATERPILLAR 416F



1. Engine and Powertrain

- **Engine Performance:** Engine starts smoothly with no excessive noise, smoke, or vibrations. Operating at optimal performance.
- **Oil Levels and Quality:** Engine oil checked and topped off; oil clean with no contaminants or signs of wear.
- **Coolant Levels and Radiator:** Coolant at proper levels; radiator inspected and found free of leaks or blockages.
- **Air Filter:** Air filter inspected and cleaned; no replacement required.
- **Power Shuttle Transmission:** 4F/4R power shuttle transmission operates smoothly; no lag or slippage during shifting.
- **Diesel Fuel System:** Fuel lines and injectors inspected; no leaks or clogs detected.

2. Hydraulic System

- **Hydraulic Pump and Lines:** Hydraulic pump tested and operational; lines inspected with no leaks, wear, or damage.
- **Extendahoe Performance:** Extendahoe functions smoothly with no binding or excessive play.
- **Rear Auxiliary Hydraulics:** Auxiliary hydraulics functional; connectors secure and free of damage.

- Boom, Dipper, and Bucket Cylinders: All cylinders operate with consistent pressure; seals and hoses show no signs of wear or leakage.
- Hydraulic Fluid Levels: Fluid levels checked; adequate with no contamination or discoloration.

3. Tires and Undercarriage

- Front Tires (12.5/80-18): Tires have approximately 85% tread remaining; inflation at recommended pressure. No visible cuts or damage.
- Rear Tires (19.5L-24): Tires have approximately 90% tread remaining; inflation at recommended pressure. No visible cuts or damage.
- Outriggers: Pads in excellent condition with no cracks or uneven wear. Functionality confirmed.

4. Buckets and Attachments

- 88" GP Bucket: Bucket in good condition; edges and cutting blade show minor wear but no structural damage.
- 35" Tooth Bucket: Teeth intact with minimal wear; no cracks or repairs noted.
- Attachment Pins: Pins and bushings inspected; minimal wear with secure fitting.

5. Operator Cabin

- Visibility: All windows and mirrors intact; no cracks, scratches, or impairments.
- Controls and Joysticks: All controls responsive and functioning as intended; no excessive play or stiffness.
- Seat and Interior: Operator seat in good condition with minimal wear; no tears or damage. Interior clean and free of debris.
- HVAC System: Heat and air conditioning operational; maintains proper temperature.
- Radio: Radio functional with clear sound quality.
- Lighting: Interior and exterior lights operational; no issues detected.

6. Electrical System

- Battery Condition: Battery holds charge and operates as intended; terminals clean and secure.
- Wiring and Connections: Wiring inspected; no signs of fraying, corrosion, or loose connections.

- Starter and Alternator: Starter engages promptly; alternator tested and operational.

7. Structural Integrity

- Boom and Arm: Boom and arm inspected; no cracks, bends, or structural damage.
- Frame and Chassis: Chassis and frame in good condition; no signs of stress or fatigue.
- Welds: All welds inspected and confirmed to be factory-original with no cracks or repairs.

8. Safety Features

- Braking System: Brakes responsive with no abnormal noises or lag.
- Emergency Stop Function: Emergency stop tested and fully operational.
- Backup Alarm: Alarm functional and loud enough for safety compliance.
- Lights and Signals: All safety and operational lights functional, including turn signals and brake lights.

9. General Notes and Observations

- Overall condition rated at 90%; machine is well-maintained with minimal wear considering usage hours.
- No immediate repairs or replacements required.
- Ready for work with no operational restrictions.