



**2013 Caterpillar 416F**

**YEAR** 2013  
**HOURS** 3,788 hrs  
**CATEGORY** Backhoe Loaders  
**MANUFACTURER** Caterpillar  
**SKU** A-195306

✓ **INSPECTION VERIFIED**

**Machine Documentation & History**

	COMPONENT	CONDITION/NOTES
✓	Year, Make & Model	Information verified and matches data plate
✓	Serial Number	Confirmed and documented
✓	Hour Meter Reading	Current hours recorded and operational
✓	Service History	Available records reviewed and on file

**Overall Appearance**

	COMPONENT	CONDITION/NOTES
✓	Paint & Body Condition	Excellent condition for age with normal wear
✓	General Cleanliness	Well-maintained appearance
✓	Safety Decals & Labels	Present and legible
✓	Operator's Manual	Included with machine

**Structural Integrity**

	COMPONENT	CONDITION/NOTES
✓	Main Frame	Solid structure with no cracks or repairs
✓	Loader Arms	Straight with no cracks or re-welds
✓	Torque Tube	No stress marks or cracks
✓	Backhoe Boom	No cracks, bends, or structural damage
✓	Backhoe Stick	Straight with no punctures or damage

## Engine & Fuel System

	COMPONENT	CONDITION/NOTES
✓	Engine Oil	Proper level and clean condition
✓	Oil Leaks	No leaks detected
✓	Cold Start	Starts readily without excessive cranking
✓	Engine Operation	Runs smoothly with excellent power
✓	Exhaust	Clean exhaust — no excessive smoke
✓	Fuel System	No leaks, filters in excellent condition
✓	Air Cleaner	Clean and properly seated
✓	Belts & Tensioner	Excellent condition with proper tension

## Transmission & Drivetrain

	COMPONENT	CONDITION/NOTES
✓	Transmission Fluid	Proper level and excellent condition
✓	Gear Shifting	All gears engage smoothly
✓	Clutch Operation	Engages smoothly without slipping
✓	Transfer Case	Operating properly (if equipped)
✓	4WD Engagement	Front axle engages properly
✓	Transmission Noise	No unusual grinding or whining

## Hydraulic System

	COMPONENT	CONDITION/NOTES
✓	Hydraulic Fluid	Proper level and clean condition
✓	Hydraulic Pump	Operating without leaks or noise
✓	Loader Cylinders	No leaks, rods in excellent condition
✓	Backhoe Cylinders	All cylinders operating without leaks
✓	Stabilizer Cylinders	Extend and retract smoothly
✓	Hoses & Fittings	Excellent condition with tight connections
✓	Hydraulic Response	Strong and responsive operation
✓	Auxiliary Circuit	Functioning properly (if equipped)

## Front Loader

	COMPONENT	CONDITION/NOTES
✓	Loader Bucket	Excellent condition with serviceable edge
✓	Bucket Teeth	Present with acceptable wear (if equipped)
✓	Loader Arms	Raise and lower smoothly
✓	Boom Hold	Maintains position without drift
✓	Loader Pins	Minimal play at pivot points
✓	Loader Controls	Responsive and smooth operation
✓	Quick Attach	Functions properly (if equipped)

## Backhoe

	COMPONENT	CONDITION/NOTES
✓	Backhoe Bucket	Excellent condition with serviceable teeth
✓	Bucket Pins	Minimal play in connections
✓	Boom Operation	Full range of motion
✓	Stick Extension	Extends to full reach smoothly
✓	Swing Function	Swings left and right without binding
✓	Swing Tower Pins	No excessive wear or play
✓	Backhoe Controls	All levers/joysticks respond properly
✓	Boom Lock	Engages and secures properly
✓	Swing Lock Pin	Functions correctly

## Stabilizers (Outriggers)

	COMPONENT	CONDITION/NOTES
✓	Stabilizer Legs	Extend and retract smoothly
✓	Stabilizer Pads	Excellent condition with no cracks
✓	Mounting Points	No cracks or damage
✓	Hydraulic Cylinders	No leaks detected

## Steering & Brakes

	COMPONENT	CONDITION/NOTES
✓	Steering Wheel	Minimal free play
✓	Power Steering	Responsive without noise
✓	Steering Linkage	Tight with no excessive wear
✓	Service Brakes	Both brakes stop effectively
✓	Parking Brake	Holds machine on incline
✓	Brake Response	Smooth engagement without noise

## Tires & Wheels

	COMPONENT	CONDITION/NOTES
✓	Front Tires	Excellent tread with no cuts or cracks
✓	Rear Tires	Excellent tread with no cuts or cracks
✓	Tire Pressure	Properly inflated all around
✓	Wheel Bolts	Tight and secure
✓	Rims	No damage or excessive rust

## Axles & Differentials

	COMPONENT	CONDITION/NOTES
✓	Front Axle Oil	Proper level (if applicable)
✓	Rear Axle Oil	Proper level and clean
✓	Axle Seals	No leaks detected
✓	Final Drives	Operating smoothly
✓	Differential Locks	Engage properly (if equipped)

## Cooling System

	COMPONENT	CONDITION/NOTES
✓	Coolant Level	Proper level maintained
✓	Coolant Condition	Clean and properly mixed
✓	Radiator	Clean and free of debris
✓	Cooling Fan	Operating correctly
✓	Hoses & Clamps	No cracks or leaks

## Electrical System

	COMPONENT	CONDITION/NOTES
✓	Battery	Excellent condition with clean connections
✓	Charging System	Alternator charging properly
✓	Headlights	All lights operational
✓	Work Lights	Functioning properly (if equipped)
✓	Turn Signals	Operating correctly
✓	Brake Lights	All brake lights functional
✓	Backup Alarm	Operating properly
✓	Gauges	All instruments functioning
✓	Horn	Operating properly

## Cab & Operator Station

	COMPONENT	CONDITION/NOTES
✓	Operator Seat	Excellent condition with functional adjustments
✓	Seatbelt	Present and functional
✓	Seat Swivel	Rotates smoothly for backhoe operation
✓	Loader Controls	All levers respond smoothly
✓	Backhoe Controls	All levers/joysticks respond properly
✓	Doors & Windows	Seals intact, latches work properly
✓	HVAC System	Heating and air conditioning operational (if equipped)
✓	ROPS/Cab Structure	Roll-over protection intact
✓	Mirrors	Present and properly adjusted

## Performance Testing – Front Loader

	COMPONENT	CONDITION/NOTES
✓	Loader Lift	Raises to full height with power
✓	Bucket Tilt	Full range of motion
✓	Bucket Dump	Operates smoothly
✓	Load Handling	Maintains power under load

## Performance Testing – Backhoe

	COMPONENT	CONDITION/NOTES
✓	Boom Lift	Raises smoothly to full height
✓	Stick Crowd	Extends and retracts with power
✓	Bucket Curl	Full range of motion
✓	Swing Operation	Smooth rotation in both directions
✓	Maximum Reach	Achieves full extension
✓	Digging Power	Strong breakout force

## Performance Testing – Travel

	COMPONENT	CONDITION/NOTES
✓	Forward Gears	All gears engage and operate properly
✓	Reverse Gears	All reverse gears function correctly
✓	2WD/4WD Switch	Transitions smoothly between modes
✓	Under Load	Maintains power while working

## Additional Items Verified

	COMPONENT	CONDITION/NOTES
✓	Grease Fittings	Present and operational
✓	Engine Access	Hood opens and closes properly
✓	Access Panels	Secure and functional
✓	Steps & Grab Rails	Secure and safe
✓	Overall Safety	Machine meets safety standards

## Inspection Summary

### OVERALL MACHINE CONDITION

EXCELLENT	GOOD	FAIR
✓		

### READY FOR WORK

YES	MINOR SERVICE NEEDED
✓	

*This Backhoe Loaders has been inspected by our certified technicians and is ready for your operation. We stand behind every machine we sell and are here to support you after the sale.*

**Questions? Call us at (336) 850-3078**

**Earthmoving MSU Equipment & Ango Express**

(336) 850-3078 · [sales@emsu-equipment.com](mailto:sales@emsu-equipment.com)

The equipment was inspected upon arrival