



**Albatross Equipment Earthworks**  
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## **Inspection Checklist for 2009 CATERPILLAR 966H**



### **Engine and Powertrain**

- Checked oil level and condition; oil is within recommended levels, clean, no leaks detected.
- Radiator and coolant levels inspected; coolant is at the correct level, and no leaks or contamination found.
- Filter checked; slight dust buildup, but overall functional.
- Exhaust inspected for leaks or damage; no issues found, system functioning properly.
- Tested functionality; smooth gear shifting observed, no abnormal noises or delays.

### **Hydraulic System**

- Fluid levels checked; within recommended range, no leaks found.
- Hoses and fittings inspected for wear, cracks, or leaks; all components in good condition.
- Tested pressure output; system operates within normal parameters.

### **Loader Components**

- Inspected loader arms for cracks, bends, or weld repairs; no damage found, arms in good condition.
- Measured wear on cutting edges and side panels; wear at 35%, within operational limits.

- Inspected hydraulic quick coupler functionality; operates smoothly, no leaks or obstructions.
- Forks checked for cracks, bending, and proper alignment; no issues noted.

### **Cab and Controls**

- Tested all controls (steering, loader, auxiliary hydraulics); responsive and fully operational.
- Heat and air conditioning tested; both systems functional, no unusual noises or odors.
- Lift monitor and all dashboard gauges checked; no faults displayed.
- Seat and harness inspected; both in excellent condition.
- No cracks or visibility issues, windows and mirrors clean and intact.

### **Electrical System**

- Voltage tested; battery holds charge well, terminals clean.
- Front and rear lights tested; all lights functional, no burnt-out bulbs.
- Inspected for wear or exposed wires; all wiring intact and secure.

### **Tires and Axles**

- Checked tread depth and wear: Front Tires: 45%, Rear Tires: 50%.
- No visible cuts or punctures.
- Axles inspected for wear or damage; axles in good condition, no leaks or abnormal movement noted.

### **Chassis and Structural Components**

- Frame inspected for cracks, welds, or structural damage; frame is in excellent condition.
- Checked articulation joint for excessive play or wear; joint is tight, no unusual movement observed.
- Ride control system tested; smooth operation during movement, no issues found.

### **Fluid Samples**

- Engine Oil Sample: Taken for analysis; no contaminants noted.
- Hydraulic Oil Sample: Clear, no signs of contamination or unusual wear particles.

- Transmission Fluid Sample: No issues detected, fluid in good condition.

### **Additional Notes**

- Machine has been professionally maintained and serviced.
- No leaks, unusual noises, or performance issues noted during testing.

### **Overall Assessment**

- The 2009 Caterpillar 966H Wheel Loader is in **\*\*good condition\*\***. Regular maintenance has been observed, and the machine is fully operational with no significant issues. It is ready for immediate use.