Gmail

Shefqet <tofajexcavating@gmail.com>

Machine checkout

Reece Sinclair <reece@tdcrepair.net> Tue, Apr 21 at 5:02 PM
To: Shefqet <tofajexcavating@gmail.com>

Hi Tofaj Excavating,

As requested, I attended and performed a limited inspection of the machine for the purpose of documenting current condition and active diagnostic fault codes. This report is based on approximately two (2) hours on-site.

Diagnostic Fault Codes Present:

- 167-8 – Alternator Charging Voltage Sensor: Abnormal frequency, pulse width, or period
- 1161-3 – Front Hydraulic Pump Pressure Sensor: Voltage above normal
- 1162-3 – Rear Hydraulic Pump Pressure Sensor: Voltage above normal

Inspection Findings:

- Charging system voltage measured at 27.8V during operation
- Identified a damaged signal wire at one hydraulic pump pressure sensor; wiring was repaired during inspection
- Fault codes remained active following repair
- Hydraulic pump pressure sensors utilize a three-pin connector:
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    - Ground
    - Battery voltage supply
    - Signal voltage
- Testing revealed that battery voltage supply to the sensors is not at expected 24V
- Signal circuit tested within normal range at time of inspection
- Findings indicate a likely wiring fault (possible open, high resistance, or harness issue in the power supply circuit), requiring further diagnosis
- Diagnostic codes appear to have been present for an extended period and have not affected general machine operation, with the exception of the two-speed function, which is currently not operational and is likely related to the hydraulic pressure sensor faults

Machine Hours:

- Direct communication with the ECM could not be established
- Hours were obtained through the Caterpillar Electronic Technician (ET) maintenance display
- Displayed hours are approximately 9,106; however, these values are changeable and accuracy cannot be guaranteed

This report reflects observations at the time of inspection only.

Regards,

Reece Sinclair

TDC Repair

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ATTENTION BIDDERS: COMPREHENSIVE SERVICE & STATUS REPORT

2005 Caterpillar 320CL Excavator

This machine was purchased as a long-term project and has undergone a recent, comprehensive mechanical overhaul to ensure it is job-site ready. We believe in full transparency to ensure the buyer can put this machine to work immediately.

1. **RECENT MAJOR SERVICE (Completed October-November 2025):**

Less than 80 operating hours since completion:

- Engine: Full oil change and new high-efficiency oil filter.
- Hydraulics: Complete hydraulic oil flush and replacement. New hydraulic return and pilot filters installed.
- Cooling System: Coolant strength tested and topped up; radiator fins pressure-cleaned for optimal airflow.
- Fuel System: Primary and secondary fuel filters replaced; water separator cleared.

2. **OPERATIONAL PERFORMANCE**

- Engine: The Cat 3066 T engine fires up immediately on the first turn. No excessive blow-by or unusual smoke.
- Power: No loss of power under load. The machine has been tested and does not enter "limp mode."

3. **DISGNOSTIC FINDINGS (April 2026 Inspection):**

We believe in honest selling. Please note the following regarding the electronic systems:

- Hours: The digital hour meter is currently frozen at 1,808 hours. This is not accurate. Verified Cat service records from 2017 showed the machine at 6,082 hours. Hours obtained via Caterpillar Electronic Technician (ET) maintenance display indicate 9,106 hours.
- ECM/Voltage Codes: There are currently codes for ECM communication and low battery voltage. Please see attached report below.
- Diagnosis: These appear to be wiring faults that affect its two-speed system, but don’t cause the machine to go into “limp mode”. Please see attached report below.

Electrical Management: To ensure maximum battery longevity in Alberta winters, this machine is operated using the Master Battery Disconnect.

Buyer Note: The monitor is wired to stay active unless the Master Key is pulled. We have utilized this as a "theft and drain deterrent" for the past year; as a result, the machine starts instantly even after sitting in sub-zero temperatures.