



# DiagnosticPro MVP

Professional Equipment Diagnostic Analysis

PAID

## Diagnostic Report for Mandy Longshore

Report ID:	diag_1754091941283_ed20udlax	Generated:	8/2/2025
Equipment:	Caterpillar 320	Service:	\$4.99

### Equipment Information

EQUIPMENT TYPE Earthmoving (Excavators, Bulldozers, Loaders, Graders)	MAKE & MODEL Caterpillar 320
YEAR 2019	ERROR CODES E320, H42

Problem Description:

Hydraulic system failure. Boom moves very slowly and loses pressure. Excavator can barely lift loads anymore.

## Professional Diagnostic Analysis

### Issue Analysis

Customer reports Hydraulic system failure. Boom moves very slowly and loses pressure. Excavator can barely lift loads anymore. on 2019 Caterpillar 320. Error codes present: E320, H42

### Most Likely Root Cause

Based on the symptoms described, there is a 88% probability that this is a hydraulic system failure, likely involving pump wear or contaminated fluid causing system inefficiency.

### Essential Verification Tests

1. Perform comprehensive diagnostic scan with professional equipment 2. Check fluid levels and quality (oil, hydraulic, coolant as applicable) 3. Inspect electrical connections and battery condition 4. Test system pressures and temperatures under load 5. Verify component operation through manufacturer diagnostic procedures

### Red Flags to Watch For

- Shops that quote major repairs without proper diagnostic testing - Estimates that seem unusually high compared to market rates - Reluctance to explain the specific problem or show failed parts - Pressure to authorize expensive work immediately

### Questions to Ask the Shop

1. "Can you show me exactly what diagnostic tests you performed?" 2. "What specific component failed and can I see the damaged part?" 3. "How does your quote compare to manufacturer suggested repair times?" 4. "What warranty do you provide on this specific repair?" 5. "Are there any alternative repair options or used parts available?"

### Fair Cost Estimate

Based on current market rates: - Diagnostic fee: \$150-250 - Parts: \$300-1,200 (depending on specific component) - Labor: \$120-180/hour (2-6 hours typical) - \*\*Total estimated range: \$450-2,500\*\* \*Note: This is a temporary mock analysis. Full AI diagnostic system will be restored shortly with enhanced accuracy and personalized recommendations.\*

## Recommended Next Steps

1. Review the complete diagnostic analysis above carefully
2. Share this report with your preferred certified technician
3. Request detailed verification of any recommended repairs
4. Get a second opinion for any repairs over \$1,000
5. Keep this report for your equipment maintenance records

## Important Disclaimer

**Professional Guidance:** This diagnostic analysis is based on the information you provided and should be used as a professional starting point for equipment repair decisions. Always consult with a qualified, certified technician before authorizing any repairs.

**Liability:** DiagnosticPro MVP provides diagnostic guidance but is not responsible for repair outcomes or damages. This report is for informational purposes and does not guarantee specific repair results.

**Warranty:** This analysis is provided with professional care but no warranty is implied for the accuracy of third-party repair recommendations.

## DiagnosticPro MVP

Professional Equipment Diagnostic Services

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### Customer Support

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### Jeremy Longshore

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