



EQUIPMENT  
MANAGEMENT

000287.525 1R-0749

# Condition Monitoring Service

PipeLine Machinery International (PLM) presents Condition Monitoring Service, from Cat® Connect. Condition Monitoring Service utilizes data from your connected assets in the field along with equipment data from Caterpillar to:

- ✓ Maintain equipment uptime
- ✓ Increase productivity
- ✓ Extend life of equipment

## Features:

- Emailed map link to your default mapping application showing where alert occurred, along with GPS coordinates
- Troubleshooting instructions for diagnostic or event faults to aid field technicians and get the equipment back to work faster
- Alerts can be sent to a central location or multiple contacts throughout multiple spreads; including the local Cat dealer
- Shows the current software installed on the machine vs latest software offered
- Fault Code History for last 72hrs to aid in remote troubleshooting
- Important machine improvements and updates included in alerts to aid the local Cat Dealer if used

## Benefits:

- Reduce job site trips to machines by bringing the right part the first time
- Minimize machine downtime, increasing productivity
- Quickly locate equipment identified with health issues
- Proactively keep your machines moving down the ROW with minimal downtime
- Easy way to communicate a technical issue to the local Cat Dealer for quick repairs to your equipment

**PipeLine Machinery CAT**

S/N: SSHD0335  
 Model: D7ELGP  
 Hours: 2,390.0  
[Open Map](#)  
 Actual GPS Link: Lat: 39.9783 Long: -80.76843  
 Status: O (On Rent)  
 Warranty Expiration: 8/24/2018  
 Contact: Ralph Hendricks  
 Customer: PLM Rental Fleet  
 Job Location: MCMECHEN, WV  
 Miscellaneous: US WV MCMECHEN 10/17  
 Comment: PLN160520  
 Sales Person: JAMES SCHULTE  
 Fault Code #: EID:1440  
 Desc: Low Separate Circuit Coolant Pressure  
 Time/Date of Fault: 11/15/2017 5:12 PM  
 # of Occurrences Day: 1  
 # of Occurrences Week: 13

**Recommended Actions:** Shut Down. Activated at engine speeds less than 1000 rpm when the pressure is less than 10 kPa (1.45040 psi). Activated at engine speeds greater than 1000 rpm when the pressure is less than 15 kPa (2.17560 psi). Power train operation will derate.

**Possible Solutions:** Possible Cause: A loss of pressure due to a break in a coolant line. Restriction in coolant line. Sensor reading incorrectly. ECM not processing sensor properly. Separate Circuit pump failure. Coolant bypassing pump due to check valve stuck open. Recommended Response: Check for a leak in the fluid lines. Check the sensor for failure or proper seating. Inspect check valve for proper operation. Inspect pump for gear failure. Replace ECM. ECM failure is unlikely.

**PM History:**

Meter	Description	Date
530	PM 1 (250 HOUR INTERVAL)	01-04-16

**Current VS Latest Software:**

Description	Current	Latest
Accessory Power Converter	4430775-00	4430775
Eng Aftertreatment Ctrl 1	4994853-00	5247182

**PipeLine Machinery CAT**  
 Your Global Partner for Pipeline Solutions.  
[www.plmcat.com](http://www.plmcat.com)

**Matt Barkdull**  
 Cat Connect Specialist  
 ☎ 713.580.8453  
 ✉ mbarkdull@plmcat.com