

Cat Electronic Technician 2024C v1.0

Product Status Report

11/14/2024 9:36 AM

Product Status Report

| Parameter | Value |
|--------------|----------|
| Product ID | J3R03169 |
| Equipment ID | J3R03169 |
| Comments | |

C7.1 (D8T20046)

| Parameter | Value |
|--|------------|
| Product ID | J3R03169 |
| Engine Serial Number | D8T20046 |
| ECM Part Number | 4620007-00 |
| ECM Serial Number | 19767188VN |
| Software Group Part Number | 5696234-00 |
| Software Group Release Date | JUN18 |
| Software Group Description | SWL |
| Calibration Identification Number | AK946_22 |
| Operator Inducement Regulation Configuration | Worldwide |

Logged Diagnostic Codes [Diagnostic Clock = 7879 hours] - C7.1 (D8T20046)

| Code | Description | Occ. | First | Last |
|----------------------------|-------------|------|-------|------|
| No Logged Diagnostic Codes | | | | |

Logged Event Codes [Diagnostic Clock = 7879 hours] - C7.1 (D8T20046)

| Code | Description | Occ. | First | Last |
|-----------------------|-------------|------|-------|------|
| No Logged Event Codes | | | | |

Active Diagnostic Codes - C7.1 (D8T20046)

| Code | Description |
|----------------------------|-------------|
| No Active Diagnostic Codes | |

Active Event Codes - C7.1 (D8T20046)

| Code | Description |
|------------------|-------------|
| No Active Events | |

System Communication Status - Active Problems - C7.1 (D8T20046)

| ECMs | Detected Problem | Data Link | Diagnostic Information |
|-------------------------|------------------|-----------|------------------------|
| No issues were reported | | | |

System Communication Status - Inactive Problems - C7.1 (D8T20046)

| ECMs | Detected Problem | Data Link | Diagnostic Information |
|-------------------------|------------------|-----------|------------------------|
| No issues were reported | | | |

Current Totals - C7.1 (D8T20046)

| Description | Value | Unit |
|--|-----------|-------|
| Total Idle Time | 3285:03 | hours |
| Total Fuel | 19142 | gal |
| Total Engine #1 Fuel | 19090 | gal |
| Total ARD Fuel | 52.801 | gal |
| Total Idle Fuel | 2675 | gal |
| Total Max Fuel | 74463 | gal |
| Aftertreatment #1 Total DEF Used | 329.6 | gal |
| Engine Lifetime Hours | 7889.2 | hours |
| Average Load Factor | 22 | % |
| Engine Starts | 7109 | |
| Lifetime Total Engine Revolutions | 567632256 | rev |
| Total Operating Hours | 7880 | hours |
| Operator Inducement Emergency Override Total Activations | 0 | |
| Operator Inducement Emergency Override Total Resets | 0 | |
| Total Engine Idle Shutdown Count | 0 | |
| Total Engine Idle Shutdown Overrides Count | 0 | |
| Total Delayed Engine Shutdown Count | 0 | |
| Total Delayed Engine Shutdown Overrides Count | 0 | |
| Starts/Hour | 0.90 | |
| Average RPM | 1199.18 | rpm |
| Percentage Idle Time | 41.64 | % |
| Average Fuel Rate | 2.43 | gal/h |
| Overall Load Factor | 25 | % |

Configuration - C7.1 (D8T20046)

| Description | Value | Unit |
|----------------------------|------------|------|
| Engine Serial Number | D8T20046 | |
| ECM Serial Number | 19767188VN | |
| Software Group Part Number | 5696234-00 | |

| | | |
|---|--------------------------|-----|
| Software Group Release Date | JUN18 | |
| Software Group Description | SWL | |
| Rating Number | 3 | |
| Rated Power | 188 hp at 1800 rpm | |
| Rated Peak Torque | 642 lb-ft at 1400 rpm | |
| Ether Solenoid Configuration | Continuous Flow Solenoid | |
| Aftertreatment Ambient Air Temperature Sensor Installation Status | Not Installed | |
| Low System Battery Voltage Elevated Idle | Enabled | |
| Engine Warm Up Elevated Idle Feature Enable Status | Enabled | |
| Engine Warm Up Elevated Idle Delay Time | 10.0 | min |
| Engine Idle Shutdown Enable Status | Disabled | |
| Engine Idle Shutdown Delay Time | 5.0 | min |
| Delayed Engine Shutdown Enable Status | Disabled | |
| Delayed Engine Shutdown Maximum Time | 10.0 | min |
| User Defined Switch Installation Status | Not Installed | |
| Engine Fan Reversing Feature | Disabled | |
| Engine Fan Purge Cycle Interval | 900 | sec |
| Cold Engine Parasitic Load Reduction Installation | Not Installed | |
| Engine Fan Purge Cycle Duration | 10.0 | sec |
| Factory Installed Aftertreatment #1 Identification Number | CFH119963B | |
| DPF #1 Soot Loading Sensing System Configuration Code | GR | |
| Operator Inducement Progress Configuration | Reduced Performance | |
| Operator Inducement Regulation Configuration | Worldwide | |
| Operator Inducement Emergency Override Enable Status | Disabled | |
| Operator Inducement Emergency Override Activation | Not Activated | |
| Operator Final Inducement Action | Idle | |
| Aftertreatment #1 DEF Quality Sensor Installation Status | Not Installed | |
| System Operating Voltage Configuration | 24 Volt | |
| FLS | 19 | |
| FTS | -25 | |
| CAN Communication Protocol Write Security | Seed and Key Access | |
| CAN Communication Protocol Read Security | Seed and Key Access | |
| Total Tattletale | 8 | |

Monitoring System - C7.1 (D8T20046)

| Description | State | Trip Point | Delay Time |
|-------------------------|-----------|------------|------------|
| Engine Overspeed | | | |
| Least Severe (1) | Always On | 3000 rpm | 0 sec |

| | | | |
|--|-----------|-------------|----------|
| High Air Inlet #1 Differential Pressure | | | |
| Least Severe (1) | Always On | 0.1 psi | 0 sec |
| Moderate Severity (2) | Always On | 0.1 psi | 900 sec |
| High Engine Coolant Temperature | | | |
| Least Severe (1) | Always On | 232 Deg F | 10 sec |
| Moderate Severity (2) | Always On | 234 Deg F | 10 sec |
| Most Severe (3) | Always On | 237 Deg F | 10 sec |
| High Exhaust Temperature | | | |
| Least Severe (1) | Always On | 352 Deg F | 8 sec |
| Moderate Severity (2) | Always On | 356 Deg F | 8 sec |
| High Fuel/Water Separator Water Level | | | |
| Least Severe (1) | Always On | None | 5 sec |
| Moderate Severity (2) | Always On | None | 1800 sec |
| High Hydraulic Oil Temperature | | | |
| Moderate Severity (2) | Always On | 199 Deg F | 4 sec |
| Most Severe (3) | Always On | 207 Deg F | 4 sec |
| High Intake Manifold Air Temperature | | | |
| Least Severe (1) | Always On | 253.4 Deg F | 8 sec |
| Moderate Severity (2) | Always On | 257.0 Deg F | 8 sec |
| Low Engine Oil Pressure | | | |
| Least Severe (1) | Always On | None | 0 sec |
| Most Severe (3) | Always On | None | 0 sec |

Injector Codes Calibration - C7.1 (D8T20046)

| Injector | Code |
|------------|--------------------------------|
| Injector 1 | 7309210A100C16030102080000FF4E |
| Injector 2 | 73FBFC0203000EFF07010D0000FFE5 |
| Injector 3 | 730F1D0A050100060C0BFC0000FFE3 |
| Injector 4 | 731E2B060407050001080C0000FF92 |
| Injector 5 | 73ED02EEF20A17F3EF02210000FF89 |
| Injector 6 | 73010D0B050C0C050503190000FF46 |

Diesel Exhaust Fluid Controller #1

| Parameter | Value |
|---|------------|
| Aftertreatment #1 DEF Dosing System Serial Number | PET069509T |
| Application Software Part Number | 5393577-00 |

Configuration - Diesel Exhaust Fluid Controller #1

| Description | Value | Unit |
|---|------------|------|
| Aftertreatment #1 DEF Dosing System Serial Number | PET069509T | |
| Application Software Part Number | 5393577-00 | |

Machine Control 938M (J3R03169)

| Parameter | Value |
|---------------------------------|------------------------|
| Product ID | J3R03169 |
| Equipment ID | |
| ECM Part Number | 4559580-00 |
| ECM Serial Number | 27266007WC |
| Transmission Serial Number | |
| Software Group Part Number | 5485267-00 |
| Software Group Release Date | OCT2017 |
| Software Group Description | 938 Small Wheel Loader |
| Active Diagnostic Codes Present | No |
| Active Event Codes Present | Unavailable |

Logged Diagnostic Codes [Diagnostic Clock = 7879 hours] - Machine Control 938M (J3R03169)

| Code | Description | Occ. | First | Last |
|----------------------------|-------------|------|-------|------|
| No Logged Diagnostic Codes | | | | |

Logged Event Codes [Diagnostic Clock = 7879 hours] - Machine Control 938M (J3R03169)

| Code | Description | Occ. | First | Last |
|-----------------------|-------------|------|-------|------|
| No Logged Event Codes | | | | |

Active Diagnostic Codes - Machine Control 938M (J3R03169)

| Code | Description |
|----------------------------|-------------|
| No Active Diagnostic Codes | |

Active Event Codes - Machine Control 938M (J3R03169)

| Code | Description |
|------------------|-------------|
| No Active Events | |

Current Totals - Machine Control 938M (J3R03169)

| Description | Value | Unit |
|-----------------------|----------|-------|
| Total Operating Hours | 7880 | hours |
| Total Distance | 34518.90 | Miles |

Configuration - Machine Control 938M (J3R03169)

| Description | Value | Unit |
|--|------------------|------|
| Product ID | J3R03169 | |
| Equipment ID | | |
| Transmission Serial Number | | |
| Product Sales Model | 938 Wheel Loader | |
| Information Units Status | English | |
| Hydrostatic Response Setting | Maximum | |
| Transmission Directional Shift Response Rate Setting | Fast | |

| | | |
|--|------------------------|-------|
| Tire Rolling Radius | 710 | mm |
| Rear Axle Gear Ratio | 18.500 | Ratio |
| Machine Speed Limit | 0 | mph |
| Maximum Forward Ground Speed | 0.0 | mph |
| Maximum Reverse Ground Speed | 0.0 | mph |
| Powertrain Speed Range #3 Maximum Ground Speed Limit | 0.0 | mph |
| Differential (Axle) Lock Installation Status | Installed | |
| Differential Lock Automatic Disengagement Enable Status | Enabled | |
| Creep Mode Percentage | 100.00 | % |
| Creep Control Direction Configuration | Forward and Reverse | |
| Reduced Rimpull Setting | Medium High | |
| Rimpull Mode Power Up Default Configuration | Off | |
| Low Speed Rimpull Control Enable Status | Disabled | |
| Transmission Direction Selector Type Configuration | PWM | |
| Transmission Direction Switch #2 Installation Status | Not Installed | |
| Ground Speed Limiter Installation Status | Not Installed | |
| Air Conditioning System Installation Status | Installed | |
| Blower Control Installation Status | Installed | |
| Number of Cameras | 1 | |
| Throttle Lock Feature Installation Status | Installed | |
| Throttle Lock Cancellation Left Pedal Position | Partially Depressed | |
| Power Mode Operator Adjustment Enable Status | Enabled | |
| Power Mode Power Up Default Configuration | Retain Last State | |
| Preventive Maintenance Enable Status | Disabled | |
| DEF Level Full Alarm Enable Status | Enabled | |
| Quick Steer Enable Status | Disabled | |
| Secondary Steering | Not Installed | |
| Implement Linkage Configuration | Standard | |
| Loader Lift Linkage Position Sensor Configuration | Rotary Position Sensor | |
| Loader Tilt Linkage Position Sensor Configuration | Rotary Position Sensor | |
| Tilt Function Enable Status | Enabled | |
| 3rd Function Enable Status | Enabled | |
| 4th Function Enable Status | Disabled | |
| Quick Coupler Installation Status | Wedge Lock | |
| Ride Control System Installation Status | Installed | |
| Ride Control Activation Speed | 3.0 | mph |
| Ride Control Service Mode Power Up Default Configuration | Off | |
| Ride Control Operator Adjustment Enable Status | Enabled | |
| Parallel Lift Enable Status | Disabled | |

| | | |
|---|---------------|---------|
| Auto Lube System Installation Status | Not Installed | |
| Lift Cylinder Load Hold Check Valve Installation Status | Not Installed | |
| Raise Kickout Enable Status | Enabled | |
| Lower Kickout Enable Status | Enabled | |
| Rackback Kickout Enable Status | Enabled | |
| Dump Kickout Enable Status | Enabled | |
| Lift Linkage Float Enable Status | Enabled | |
| Lift Linkage Feather Catch Enable Status | Enabled | |
| Raise Snubbing Enable Status | Enabled | |
| Lower Snubbing Enable Status | Enabled | |
| Rackback Snubbing Enable Status | Enabled | |
| Dump Snubbing Enable Status | Enabled | |
| Dump Stop Snubbing Enable Status | Enabled | |
| Bucket Shakeout Enable Status | Enabled | |
| Bucket Shakeout Aggressiveness Enable Status | Disabled | |
| Continuous Flow Installation Status | Installed | |
| 3rd Function Valve Maximum Flow Percentage | 20.0 | % |
| 3rd Function Flow Limit Minimum Flow | 8 | gal/min |
| 3rd Function Flow Limit Maximum Flow | 11 | gal/min |
| Implement Lift Response Rate Setting | Fast | |
| Implement Tilt Response Rate Setting | Fast | |
| Implement Modulation Configuration | Coarse | |
| Raise Solenoid #1 Start Current | 0.314 | Amps |
| Raise Solenoid #1 Maximum Current | 0.605 | Amps |
| Lower Solenoid #1 Start Current | 0.312 | Amps |
| Lower Solenoid #1 Maximum Current | 0.570 | Amps |
| Rackback Solenoid #1 Start Current | 0.347 | Amps |
| Rackback Solenoid #1 Maximum Current | 0.720 | Amps |
| Dump Solenoid #1 Start Current | 0.341 | Amps |
| Dump Solenoid #1 Maximum Current | 0.694 | Amps |
| 3rd Function Rearward Solenoid Start Current | 0.320 | Amps |
| 3rd Function Rearward Solenoid Maximum Current | 0.750 | Amps |
| 3rd Function Forward Solenoid Start Current | 0.320 | Amps |
| 3rd Function Forward Solenoid Maximum Current | 0.750 | Amps |
| Brake/Decelerator Pedal Position Sensor Fully Released Duty Cycle | 19 | % |
| Brake/Decelerator Pedal Position Sensor Braking Pressure Duty Cycle | 30 | % |
| Brake/Decelerator Pedal Position Sensor Fully Depressed Duty Cycle | 39 | % |
| Drive Pump Forward Control Solenoid Start Current Command | 0.311 | Amps |
| Drive Pump Forward Control Solenoid Maximum Current | 0.838 | Amps |

| | | |
|---|---------------|-------|
| Drive Pump Reverse Control Solenoid Start Current Command | 0.315 | Amps |
| Drive Pump Reverse Control Solenoid Maximum Current | 0.842 | Amps |
| Drive Motor #1 Solenoid Start Current Command | 0.252 | Amps |
| Drive Motor #1 Solenoid Maximum Current | 0.654 | Amps |
| Drive Motor #2 Solenoid Start Current Command | 0.270 | Amps |
| Drive Motor #2 Solenoid Maximum Current | 0.768 | Amps |
| Drive Pump Maximum Forward Gear Ratio Calibration Value | 0.241 | Ratio |
| Drive Motor Maximum Forward Gear Ratio Calibration Value | 3.728 | Ratio |
| Drive Motor Condition #1 Maximum Forward Gear Ratio Calibration Value | 1.156 | Ratio |
| Clutch #1 Hold Level Pressure | 43 | psi |
| Transmission Drive Pump Pressure Override Calibration Value | 6416 | psi |
| Transmission Drive Pump Pressure Override Calibrated Temperature | 145 | Deg F |
| Production Measurement Feature Installation Status | Not Installed | |
| Production Measurement Feature Temporary Installation Status | Not Installed | |
| Payload Data Source Configuration | Caterpillar | |
| Production Measurement Feature Temporary Installation Time Remaining | 15000 | min |
| Automatic Truck ID Feature | Not Enabled | |
| Automatic Material ID Feature | Not Enabled | |
| Payload Weight Calculation Acceptable Audible Alarm Configuration | Unavailable | |
| Onboard Payload Printer Installation Status | Not Installed | |
| Payload Control System Number of Printer Tickets Configuration | 1 | |
| Onboard Payload Printer Number of Blank Lines Preceding Output | 1 | |
| Onboard Payload Printer Number of Blank Lines Following Output | 1 | |
| Onboard Payload Printer Truck Ticket Number | 0 | |
| Onboard Payload Printer Ticket Header Enable Status | Disabled | |
| Onboard Payload Printer Ticket Header Line #1 | CATERPILLAR | |
| Onboard Payload Printer Ticket Header Line #2 | TRUCK TICKET | |
| Onboard Payload Printer Ticket Header Line #3 | | |
| Onboard Payload Printer Ticket Bucket Weights Enable Status | Enabled | |
| Onboard Payload Printer Ticket Truck Payload Weight Enable Status | Enabled | |

| | | |
|--|---------------------------|--|
| Onboard Payload Printer Ticket Truck ID Enable Status | Enabled | |
| Onboard Payload Printer Ticket Material ID Enable Status | Enabled | |
| Onboard Payload Printer Ticket Operator ID Enable Status | Enabled | |
| Onboard Payload Printer Date Format Configuration | MM-DD-YYYY | |
| Onboard Payload Printer Date Format Separator Character | - | |
| Onboard Payload Printer Ticket Payload Data Store Time Enable Status | Enabled | |
| Onboard Payload Printer Material Report Reset Time Enable Status | Enabled | |
| Onboard Payload Printer Truck Report Reset Time Enable Status | Enabled | |
| Tire Monitoring System Installation Status | Not Installed | |
| Left Front Tire Pressure/Temperature Sensor Identification Number | | |
| Right Front Tire Pressure/Temperature Sensor Identification Number | | |
| Left Rear Tire Pressure/Temperature Sensor Identification Number | | |
| Right Rear Tire Pressure/Temperature Sensor Identification Number | | |
| Remote Control System Installation Status | Unavailable | |
| Remote Control Operator Station Installation Status | Unavailable | |
| Remote Control System Enable Status | Unavailable | |
| External Authentication Device Installation Status | Not Installed | |
| Advanced Machine Security System Installation Status | Not Installed | |
| Operator Identification Enable Status | Disabled | |
| Total Tattletale | 4 | |
| PM 250 Enable | Disabled or Not Installed | |

Instrument Cluster #1

| Parameter | Value |
|-----------------------------|--------------------|
| ECM Part Number | 4241262-00 |
| ECM Serial Number | 2666D068XJ |
| Software Group Part Number | 5488539-00 |
| Software Group Release Date | SEP2017 |
| Software Group Description | Instrument Cluster |

Graphical Display 938M

| Parameter | Value |
|-----------------------------|-----------------------|
| ECM Part Number | 4592258-02 |
| ECM Serial Number | 2916G042ZV |
| Software Group Part Number | 5000488-00 |
| Software Group Release Date | AUG2017 |
| Software Group Description | SWL_Secondary Display |

Logged Diagnostic Codes - Graphical Display 938M

| Code | Description | Occ. | First | Last |
|----------------------------|-------------|------|-------|------|
| No Logged Diagnostic Codes | | | | |

Logged Event Codes - Graphical Display 938M

| Code | Description | Occ. | First | Last |
|-----------------------|-------------|------|-------|------|
| No Logged Event Codes | | | | |

Active Diagnostic Codes - Graphical Display 938M

| Code | Description |
|----------------------------|-------------|
| No Active Diagnostic Codes | |

Active Event Codes - Graphical Display 938M

| Code | Description |
|------------------|-------------|
| No Active Events | |

Configuration - Graphical Display 938M

| Description | Value | Unit |
|---------------------------------------|---------------------------|------|
| Service Mode Enable Code | 1234 | |
| Object Detection System Enable Status | Disabled | |
| Object Detection Alarm Mode | Disabled or Not Installed | |