

# 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

<b>High Air Inlet #1 Differential Pressure</b>			
Least Severe (1)	Always On	0.1 psi	0 sec
Moderate Severity (2)	Always On	0.1 psi	900 sec
<b>High Engine Coolant Temperature</b>			
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
<b>High Exhaust Temperature</b>			
Least Severe (1)	Always On	352 Deg F	8 sec
Moderate Severity (2)	Always On	356 Deg F	8 sec
<b>High Fuel/Water Separator Water Level</b>			
Least Severe (1)	Always On	None	5 sec
Moderate Severity (2)	Always On	None	1800 sec
<b>High Hydraulic Oil Temperature</b>			
Moderate Severity (2)	Always On	199 Deg F	4 sec
Most Severe (3)	Always On	207 Deg F	4 sec
<b>High Intake Manifold Air Temperature</b>			
Least Severe (1)	Always On	253.4 Deg F	8 sec
Moderate Severity (2)	Always On	257.0 Deg F	8 sec
<b>Low Engine Oil Pressure</b>			
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	XXXX
Object Detection System Enable Status	Disabled	
Object Detection Alarm Mode	Disabled or Not Installed	

**RYAN**  
**CENTRAL**