

Caterpillar Electronic Technician 2010C v1.0 Product Status Report

23/05/2012 13:43

Product Status Report

Parameter	Value
Product ID	PKE00974
Equipment ID	
Comments	

Monitor

Parameter	Value
ECM Serial Number	077J0159AJ
Personality Module Part Number	2909514-00

Machine Control 325D/328D/329D

Parameter	Value
Product ID	PKE00974
ECM Part Number	2218874-02
ECM Serial Number	00433966EM
Software Group Part Number	3095721-00
Software Group Release Date	MAY2007
Software Group Description	325D HEX CONTROL
Active Diagnostic Codes Present	No

Logged Diagnostic Codes [Diagnostic Clock = 3037 hours]

Code	Description	Occ.	First	Last
544-8	Engine Cooling Fan Speed Sensor : Abnormal Frequency, Pulse Width, or Period	9	2874	2904

Logged Event Codes [Diagnostic Clock = 3037 hours]

Code	Description	Occ.	First	Last
E015 (2)	High Engine Coolant Temperature Derate	41	2629	2997
E017 (2)	High Engine Coolant Temperature Warning	27	2630	2997

E023 (2)	High Hydraulic Oil Temperature Derate	7	2853	2997
E600 (2)	High Hydraulic Oil Temperature Warning	6	2853	2979

Active Diagnostic Codes

Code	Description
No Active Codes	

Current Totals

Description	Value	Unit
Total Operating Hours	3038	hours
Engine Maintenance Hours	3037	hours
Engine Oil Hours	555	hours
Engine Oil Filter Hours	555	hours
Engine Coolant Hours	1965	hours
Fuel/ Water Separator Hours	0	hours
Fuel Filter Hours	555	hours
Secondary Fuel Filter Hours	Unavailable	hours
Tertiary Fuel Filter Hours	Unavailable	hours
Fuel Tank Cap Hours	Unavailable	hours
Hydraulic Pump Hours	3037	hours
Hydraulic Pilot Oil Filter Hours	1124	hours
Hydraulic Case Drain Oil Filter Hours	1124	hours
Return Hydraulic Oil Filter Hours	1124	hours
Attachment Hydraulic Oil Filter Hours	0	hours
Hydraulic Oil Hours	1124	hours
Final Drive Oil Hours	1124	hours
Swing Drive Oil Hours	1124	hours
Travel Motor Hours	368	hours
Tool #1 Hours	78	hours
Tool #2 Hours	0	hours
Tool #3 Hours	0	hours
Tool #4 Hours	0	hours
Tool #5 Hours	0	hours
Tool #6 Hours	0	hours
Tool #7 Hours	0	hours
Tool #8 Hours	0	hours
Tool #9 Hours	0	hours
Tool #10 Hours	0	hours

Return Hydraulic Oil Filter Bypass Hours	33.2	hours
Return Hydraulic Oil Filter Bypass at Cold Temperature Hours	1.6	hours
Hours of Operation at High Hydraulic Pressure	128.1	hours
Hours of Operation at Relief Hydraulic Pressure	55.5	hours

Configuration

Description	Value	Unit
Product ID	PKE00974	
Hydraulic Power Mode	High	
Fuel Economy Mode Enable Status	Enabled	
Economy Mode	Off	
Travel Alarm Installation Status	Not Installed	
Water Separator Level Switch Configuration	Normally Closed (to Ground)	
Fuel Filter Differential Pressure Switch Config	Normally Open	
Secondary Fuel Filter Differential Pressure Switch Config	Not Installed	
Attachment Hydraulic Oil Filter Switch Configuration	Not Installed	
Auto Lube Warning Indicator Enable Switch Configuration	Not Installed	
Machine Overload Pressure Sensor Installation	Installed	
Machine Overload Pressure Threshold	15000	kPa
Heavy Lift System Installation Status	Installed	
Engine Fan Type Configuration	Viscous Clutch	
Engine Cooling Fan Map	High Ambient Temperature + Low Noise	
Engine Fan Reversing Feature Installation Status	Disabled or Not Installed	
Engine Fan Reverse Operation Time	Disabled or Not Installed	sec
Machine Application Configuration	EAME Multi-Proc	
Main Pump Flow Limitation Pres Sol Installation	Installed	
Attachment Valve #1 Configuration	F2 - One Way or Two Way	
Attachment Valve #2 Configuration	F2 - One Way or Two Way	
Attachment Valve #3 Configuration	Attachment Pump Valve - Two Way	
Attachment Valve #4 Configuration	Not Installed	
Attachment Valve #1 Control Type Configuration	Electrical	
Attachment Valve #2 Control Type Configuration	Electrical	
Attachment Valve #3 Control Type Configuration	Electrical	
Attachment Valve #4 Control Type Configuration	Disabled or Not Installed	
Attachment Valve #1 Combiner Configuration	Valve #2 Combined with Valve #1	

Auxiliary Circuit Flow Combining Solenoid Installation Status	Disabled or Not Installed	
Hammer Return to Tank Solenoid Installation Status	Installed	
Variable Relief Valve Type Configuration	Unavailable	
Variable Relief Valve #1 Configuration	Installed on Valve #1 Extend port	
Variable Relief Valve #2 Configuration	Installed on Valve #1 Retract port	
F2 Type Valve Load Sense Pres Sensor Installation	Not Installed	
Joystick Handle Configuration	Modulation Handle	
Foot Switch Installation Status	Not Installed	
Left Attachment Pedal Installation Status	Not Installed	
Right Attachment Pedal Installation Status	Not Installed	
Left Joystick Switch #1 Control Mode	No valve controlled	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	Disabled or Not Installed	
Right Joystick Switch #1 Control Mode	Momentary - Valve #1 Extend	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #4 Control Mode	Disabled or Not Installed	
Foot Switch Control Mode	Disabled or Not Installed	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Attachment Pedal Control Mode	Disabled or Not Installed	
Right Attachment Pedal Control Mode	Disabled or Not Installed	
Travel Speed Shift Low Delay	0.4	sec
Travel Speed Shift High Delay	0.4	sec
Travel Speed Shift Low Pres	18000	kPa
Travel Speed Shift High Pressure	32000	kPa
One Touch Engine Speed Setting	1020	RPM
AESC Setting	1300	RPM
AESC Delay Time	5.0	sec
Throttle Dial Position 1 Engine Speed	950	RPM
Throttle Dial Position 2 Engine Speed	1020	RPM
Throttle Dial Position 3 Engine Speed	1160	RPM
Throttle Dial Position 4 Engine Speed	1300	RPM
Throttle Dial Position 5 Engine Speed	1470	RPM
Throttle Dial Position 6 Engine Speed	1590	RPM
Throttle Dial Position 7 Engine Speed	1700	RPM
Throttle Dial Position 8 Engine Speed	1800	RPM
Throttle Dial Position 9 Engine Speed	1900	RPM
Throttle Dial Position 10 Engine Speed	1980	RPM

Throttle Dial Position 1 Hydraulic Power	25.0	%
Throttle Dial Position 2 Hydraulic Power	40.0	%
Throttle Dial Position 3 Hydraulic Power	61.0	%
Throttle Dial Position 4 Hydraulic Power	69.0	%
Throttle Dial Position 5 Hydraulic Power	78.0	%
Throttle Dial Position 6 Hydraulic Power	85.0	%
Throttle Dial Position 7 Hydraulic Power	92.0	%
Throttle Dial Position 8 Hydraulic Power	92.0	%
Throttle Dial Position 9 Hydraulic Power	97.0	%
Throttle Dial Position 10 Hydraulic Power	115.0	%
Engine Oil Recommended Maintenance Interval	500	hours
Engine Oil Filter Recommended Maintenance Interval	500	hours
Engine Coolant Recommended Maintenance Interval	3000	hours
Fuel/ Water Separator Recommended Maint Interval	0	hours
Fuel Filter Recommended Maint Interval	500	hours
Secondary Fuel Filter Recommended Maint Interval	Unavailable	hours
Tertiary Fuel Filter Recommended Maintenance Interval	Unavailable	hours
Fuel Tank Cap Recommended Maintenance Interval	Unavailable	hours
Hydraulic Pilot Oil Filter Recommended Maintenance Interval	1000	hours
Hydraulic Case Drain Oil Filter Recommended MI	1000	hours
Return Hyd Oil Filter Recommended Maint Interval	2000	hours
Attachment Hydraulic Oil Filter Recommended Maintenance Interval	0	hours
Final Drive Oil Recommended Maintenance Interval	2000	hours
Hydraulic Oil Recommended Maintenance Interval	2000	hours
Swing Drive Oil Recommended Maintenance Interval	1000	hours
Advanced Machine Security System Installation Status	Not Installed	
Sunday Security System Bypass Start Time	Disabled or Not Installed	
Sunday Security System Bypass Stop Time	Disabled or Not Installed	
Monday Security System Bypass Start Time	Disabled or Not Installed	
Monday Security System Bypass Stop Time	Disabled or Not Installed	
Tuesday Security System Bypass Start Time	Disabled or Not Installed	
Tuesday Security System Bypass Stop Time	Disabled or Not Installed	
Wednesday Security System Bypass Start Time	Disabled or Not Installed	
Wednesday Security System Bypass Stop Time	Disabled or Not Installed	

Thursday Security System Bypass Start Time	Disabled or Not Installed	
Thursday Security System Bypass Stop Time	Disabled or Not Installed	
Friday Security System Bypass Start Time	Disabled or Not Installed	
Friday Security System Bypass Stop Time	Disabled or Not Installed	
Saturday Security System Bypass Start Time	Disabled or Not Installed	
Saturday Security System Bypass Stop Time	Disabled or Not Installed	
AccuGrade System Installation Status	Disabled or Not Installed	
Hydraulic Cab Riser Installation Status	Unavailable	
Hydraulic Cab Riser Raise Snubbing Angle Gain	Unavailable	
Hydraulic Cab Riser Raise Snubbing Rate Gain	Unavailable	
Hydraulic Cab Riser Lower Snubbing Angle Gain	Unavailable	
Hydraulic Cab Riser Lower Snubbing Rate Gain	Unavailable	

Calibration Status

Calibration	Status	Last Successful Completion
Attachment Valve #1 Extend	Success	0.8 hours
Attachment Valve #1 Retract	Success	0.8 hours
Attachment Valve #2 Extend	Success	0.8 hours
Attachment Valve #2 Retract	Success	0.8 hours
Attachment Valve #3 Extend	Success	0.7 hours
Attachment Valve #3 Retract	Success	0.7 hours
Attachment Valve #4 Extend	Failed	0.0 hours
Attachment Valve #4 Retract	Failed	0.0 hours
Engine Speed Calibration	Success	1913.0 hours
Left Joystick Thumbwheel Calibration	Failed	0.0 hours
Right Joystick Thumbwheel Calibration	Failed	0.0 hours
Left Attachment Pedal Calibration	Failed	0.0 hours
Right Attachment Pedal Calibration	Failed	0.0 hours
PRV - Pressure Gauge	Failed	0.0 hours
PRV - Flow Meter for Two Pump Flow Combined	Success	0.8 hours
PRV - Attachment Valve #1 Flow Limit	Success	0.9 hours
PRV - Combined Attachment Valve Flow Limit	Failed	0.0 hours
PRV - Power Shift Pressure Calibration	Success	1912.9 hours
Boom Cylinder Extend Pilot Pressure Limit Solenoid Cal	Success	Never Successfully Calibrated
Stick Cylinder Retract Pilot Pressure Limit Solenoid Cal	Success	Never Successfully Calibrated
PRV - Variable Relief Pressure Calibration Solenoid 1	Success	0.9 hours

PRV - Variable Relief Pressure Calibration Solenoid 2	Success	0.9 hours
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Lifetime: Time vs Hydraulic Oil Temperature

Hydraulic Oil Temperature(Deg C)	hours	%
<20	62.40	2.05
20-29	132.80	4.37
30-39	152.25	5.01
40-49	316.85	10.43
50-59	385.35	12.68
60-69	1066.90	35.11
70-79	858.10	28.23
80-89	61.25	2.02
90-99	3.25	0.11
100-109	0.00	0.00
110-119	0.00	0.00
>120	0.00	0.00

Lifetime: Time vs Front Hyd Pump Pres

Front Hyd Pump Pres(kPa)	hours	%
<20000	2563.75	84.36
20000-21999	169.55	5.58
22000-23999	108.65	3.57
24000-25999	67.00	2.20
26000-27999	39.95	1.31
28000-29999	25.85	0.85
30000-31999	17.75	0.58
32000-33999	18.40	0.61
34000-35999	25.75	0.85
36000-37999	0.35	0.01
38000-39999	0.00	0.00
>40000	2.20	0.07

Lifetime: Time vs Rear Hyd Pump Pres

Rear Hyd Pump Pres(kPa)	hours	%
<20000	2238.50	73.65
20000-21999	186.00	6.12
22000-23999	133.90	4.41

24000-25999	126.50	4.16
26000-27999	149.15	4.91
28000-29999	106.70	3.51
30000-31999	30.00	0.99
32000-33999	26.85	0.88
34000-35999	39.10	1.29
36000-37999	0.30	0.01
38000-39999	0.00	0.00
>40000	2.20	0.07

C7 325D (C7C10271)

Parameter	Value
Equipment ID	
Engine Serial Number	C7C10271
ECM Part Number	2622879-01
ECM Serial Number	27676053JM
Personality Module Part Number	2950755-00
Personality Module Release Date	MAR07
Personality Module Description	325D-HEX-HIHP
Active Event Codes Present	Unavailable

Logged Diagnostic Codes [Diagnostic Clock = 3037.4395 hours]

Code	Description	Occ.	First	Last
91- 8	Throttle Position Sensor : Abnormal Frequency, Pulse Width, or Period	11	3031	3036

Logged Event Codes [Diagnostic Clock = 3037.4395 hours]

Code	Description	Occ.	First	Last
E198 (1)	Low Fuel Pressure	15	3031	3031
E265 (3)	User Defined Shutdown	5	3029	3030

Active Diagnostic Codes

Code	Description
No Active Codes	

Active Event Codes

Code	Description
No Active Events	

Current Totals

Description	Value	Unit
Engine Lifetime Hours	Unavailable	hours
Total Operating Hours	3037	hours
Total Fuel	76392	L
Engine Starts	2190	
Lifetime Total Engine Revolutions	299595304	rev
Total Idle Time	515:38	hours
Total Idle Fuel	2154	L
Total Max Fuel	120457	L
Average Load Factor	62	%
Overall Load Factor	63	%

Configuration

Description	Value	Unit
Equipment ID		
Engine Serial Number	C7C10271	
ECM Part Number	2622879-01	
ECM Serial Number	27676053JM	
Personality Module Part Number	2950755-00	
Personality Module Release Date	MAR07	
Personality Module Description	325D-HEX-HIHP	
Rated Power	161 kW at 1800 RPM	
Rated Peak Torque	1025 N-m at 1400 RPM	
Test Spec	0K5148 0K6725	
Top Engine Speed Range	1980 - 1980 RPM	
Ether Solenoid Configuration	Not Installed	
FLS	27	
FTS	9	
Security System Immobilizer Installation Status	Disabled or Not Installed	
Total Tattletale	12	

Lifetime: Time vs Engine Coolant Temperature

Engine Coolant Temperature(Deg C)	hours	%
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<50	38.50	1.28
50-54	11.45	0.38
55-59	13.10	0.43
60-64	14.80	0.49
65-69	16.00	0.53
70-74	17.75	0.59
75-79	218.75	7.25
80-84	2190.05	72.56
85-89	297.35	9.85
90-94	106.55	3.53
95-99	77.55	2.57
100-104	16.20	0.54
105-109	0.35	0.01
110-114	0.00	0.00
115-119	0.00	0.00
>120	0.00	0.00

Lifetime: Time vs Inlet Air Temperature

Inlet Air Temperature(Deg C)	hours	%
<40	355.30	27.99
40-44	341.90	26.94
45-49	410.00	32.30
50-54	153.05	12.06
55-59	8.95	0.71
60-64	0.10	0.01
65-69	0.00	0.00
70-74	0.00	0.00
75-79	0.00	0.00
80-84	0.00	0.00
85-89	0.00	0.00
90-94	0.00	0.00
95-99	0.00	0.00
>100	0.00	0.00

Lifetime: Time vs Boost Pressure

Boost Pressure(kPa)	hours	%
<80	1.25	0.10
80-89	3.10	0.24
90-99	7.80	0.61

Total	14.78	1.57	6.61	4.15	52.14	20.76	0.00	0.00	100.00
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Injector Trim Calibration

Injector	Serial Number	File Version	Tattletale
Injector1	000000003B11715318B7	0	0
Injector2	000000003B1171531188	0	0
Injector3	000000003B11715500E7	0	0
Injector4	000000003B117153009A	0	0
Injector5	000000003B11715321B7	0	0
Injector6	000000003B1174948734	0	0