

# Cat Electronic Technician 2023A v1.0

## Product Status Report

31-1-2024 16:47

### Product Status Report

Parameter	Value
Product ID	BXY04183
Equipment ID	988H
Comments	

### Product Link (BXY04183)

Parameter	Value
Machine Serial Number	BXY04183
Dealer Identification Code	L400
DBS Machine Make Code	AA
ECM Serial Number	2110B771LQ
Wireless Transmission Device Serial Number	DQCAT0058919
Software Group Part Number	5324250-00
Software Group Release Date	FEB2017
Software Group Description	PL300-2016C-PROD-1.0

### Logged Diagnostic Codes [Diagnostic Clock = 13695 hours] - Product Link (BXY04183)

Code	Description	Occ.	First	Last
1250- 9	Remote Communication Module : Abnormal Update Rate	2	13453	13483

### Logged Event Codes [Diagnostic Clock = 13695 hours] - Product Link (BXY04183)

Code	Description	Occ.	First	Last
No Logged Event Codes				

### Active Diagnostic Codes - Product Link (BXY04183)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Product Link (BXY04183)

Code	Description
No Active Events	

### Configuration - Product Link (BXY04183)

Description	Value	Unit
Maintenance Mode	Off	

Machine Serial Number	BXY04183	
DBS Machine Make Code	AA	
Dealer Identification Code	L400	
Registration E-Mail Address Username	G.BOOGAERTS	
Registration E-Mail Address Domain	BMBE.BE	
Event/Diagnostic Report Interval (SMU)	4	hours
Event/Diagnostic Message Interval (RT)	24	hours
Report Start Time	16-10-2014 07:00	
Warning Level 3 Report Configuration	Report at Next Scheduled	
Warning Level 2 Report Configuration	Report at Next Scheduled	
Warning Level 1 Report Configuration	Report at Next Scheduled	
Diagnostic Report Configuration	Report at Next Scheduled	
Operating Hours Report Configuration	On	
Number of Daily Machine Location Messages Configuration	1	
Position Report Minimum Location Change	0	m
Fuel Consumed Report Configuration	On	
Global Gram Enable Status	Disabled	
GPS Fix Validity Time Duration	60,0	min
Preferred Wireless Service Configuration	Satellite Premium #2	
Digital Sensor Input #1 Type Configuration	Not Configured	
Digital Input #1 Monitoring Condition	All Conditions	
Digital Sensor Input #1 Description	DIGITAL INPUT 1	
Digital Sensor Input #1 Delay Time	5,0	sec
Digital Sensor Input #2 Type Configuration	Not Configured	
Digital Input #2 Monitoring Condition	All Conditions	
Digital Sensor Input #2 Description	DIGITAL INPUT 2	
Digital Sensor Input #2 Delay Time	30,0	sec
Digital Sensor Input #3 Type Configuration	Not Configured	
Digital Input #3 Monitoring Condition	All Conditions	
Digital Sensor Input #3 Description	DIGITAL INPUT 3	
Digital Sensor Input #3 Delay Time	5,0	sec
Digital Sensor Input #4 Type Configuration	Not Configured	
Digital Input #4 Monitoring Condition	All Conditions	
Digital Sensor Input #4 Description	DIGITAL INPUT 4	
Digital Sensor Input #4 Delay Time	5,0	sec
Embedded Communication Adapter Installation Status	Not Installed	

**C18 988H (00000000)**

Parameter	Value
Product ID	BXY04183
Equipment ID	988H
Engine Serial Number	Not Programmed
ECM Part Number	2622878-01
ECM Serial Number	16306233JL
Software Group Part Number	3665435-00
Software Group Release Date	Jun10

Software Group Description	C18-988H
Active Diagnostic Codes Present	Yes

**Logged Diagnostic Codes [Diagnostic Clock = 13695 hours] - C18 988H (00000000)**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

**Logged Event Codes [Diagnostic Clock = 13695 hours] - C18 988H (00000000)**

Code	Description	Occ.	First	Last
E441	Idle Elevated to Increase Battery Voltage	15	13627	13695
E362 (1)	Engine Overspeed	2	13669	13676

**Active Diagnostic Codes - C18 988H (00000000)**

Code	Description
268- 2	Programmed Parameter Fault : Erratic, Intermittent, or Incorrect
	FLS
	FTS
	Engine Serial Number

**Active Event Codes - C18 988H (00000000)**

Code	Description
E441	Idle Elevated to Increase Battery Voltage

**Current Totals - C18 988H (00000000)**

Description	Value	Unit
Total Idle Time	107374182:21	hours
Total Fuel	320223190	L
Total Idle Fuel	410859830	L
Total Max Fuel	951409528	L
Total Operating Hours	13695	hours
Engine Starts	65535	
Lifetime Total Engine Revolutions	8589934588	rev
Total Engine Idle Shutdown Count	3432	
Total Engine Idle Shutdown Overrides Count	3760	
Percentage Idle Time	100,00	%
Average RPM	0,00	rpm
Average Fuel Rate	23382,49	L/h
Overall Load Factor	33	%
Engine Lifetime Hours	Unavailable	hours

**Configuration - C18 988H (00000000)**

Description	Value	Unit
Equipment ID	988H	
Engine Serial Number	Not Programmed	
ECM Part Number	2622878-01	

ECM Serial Number	16306233JL	
Software Group Part Number	3665435-00	
Software Group Release Date	Jun10	
Software Group Description	C18-988H	
Rated Power	414 kW at 1800 rpm	
Rated Peak Torque	2720 N-m at 1150 rpm	
Top Engine Speed Range	2120 - 2120 rpm	
Test Spec	0K4826	
Low System Battery Voltage Elevated Idle	Enabled	
Ether Solenoid Configuration	Continuous Flow Solenoid	
Engine Fan Reversing Feature	Disabled	
Engine Cooling Fan Bypass System Installation Status	Not Installed	
Engine Cooling Fan Map	Standard	
Security System Immobilizer Installation Status	Disabled or Not Installed	
Engine Retarder Enable Command	Enabled	
Engine Warm Up Elevated Idle Feature Enable Status	Unavailable	
Engine Idle Shutdown Enable Status	Enabled	
Engine Idle Shutdown Delay Time	5,0	min
FLS	Not Programmed	
FTS	Not Programmed	
Total Tattletale	9	

**Lifetime: Time vs Engine Coolant Temperature - C18 988H (00000000)**

Engine Coolant Temperature( Deg C )	hours	%
<50,0	428529,41	3,62
50,0-54,0	88887,05	0,75
55,0-59,0	249550,30	2,11
60,0-64,0	1049342,75	8,86
65,0-69,0	258519,91	2,18
70,0-74,0	747682,63	6,31
75,0-79,0	1198088,13	10,11
80,0-84,0	1045151,19	8,82
85,0-89,0	596423,50	5,03
90,0-94,0	255872,00	2,16
95,0-99,0	1033039,63	8,72
100,0-104,0	1159860,00	9,79
105,0-109,0	1197329,25	10,10
110,0-114,0	344740,16	2,91
115,0-119,0	1109424,63	9,36
>120,0	1087029,63	9,17

**Lifetime: Time vs Inlet Air Temperature - C18 988H (00000000)**

Inlet Air Temperature( Deg C )	hours	%
<40,0	938601,75	9,54
40,0-44,0	307166,50	3,12

45,0-49,0	271721,50	2,76
50,0-54,0	583322,44	5,93
55,0-59,0	1186464,38	12,06
60,0-64,0	1187677,38	12,07
65,0-69,0	253940,34	2,58
70,0-74,0	110065,30	1,12
75,0-79,0	531220,38	5,40
80,0-84,0	800783,94	8,14
85,0-89,0	1102468,63	11,21
90,0-94,0	899691,38	9,15
95,0-99,0	848012,38	8,62
>100,0	815236,50	8,29

**Lifetime: Time vs Boost Pressure - C18 988H (0000000)**

Boost Pressure( kPa )	hours	%
<80,0	140548,45	1,90
80,0-89,0	357724,91	4,84
90,0-99,0	357851,34	4,84
100,0-109,0	366652,84	4,96
110,0-119,0	486937,94	6,59
120,0-129,0	585574,75	7,92
130,0-139,0	1001953,19	13,55
140,0-149,0	1028556,13	13,91
150,0-159,0	125245,95	1,69
160,0-169,0	524873,81	7,10
170,0-179,0	894912,13	12,10
180,0-189,0	177340,20	2,40
190,0-199,0	209703,09	2,84
>200,0	1135484,13	15,36

**Lifetime: Time vs Engine Speed And Engine Load Factor - C18 988H (0000000)**

rpm	<1100	1100-1299	1300-1499	1500-1699	1700-1899	1900-2099	2100-2299	>2300	Total
%									
<50,0	849347,38	1049170,63	1152599,63	595778,13	1154577,00	599667,00	1158323,63	1036712,00	7596175,38
50,0-59,9	1136439,13	1187980,63	1024357,00	656025,88	556924,31	443391,34	782309,31	1159845,00	6947272,59
60,0-69,9	748609,75	1180782,50	998186,38	45687,05	701741,56	409343,19	449560,16	999951,13	5533861,71
70,0-79,9	1198169,00	1115253,75	448549,19	523368,91	243190,66	1123712,50	449265,06	1035557,13	6137066,19
80,0-89,9	1171182,00	1151863,63	274024,16	1096210,63	589640,56	245795,00	809323,13	1001620,69	6339659,78
>90,0	1198678,88	801137,63	852889,69	774231,13	1183811,25	850133,63	1120035,25	504937,91	7285855,34
Total	6302426,13	6486188,75	4750606,03	3691301,71	4429885,34	3672042,66	4768816,53	5738623,84	39839890,99

### Lifetime: Total Occurrences vs Engine Speed - C18 988H (00000000)

Engine Speed( rpm )	Count	%
<2500,0	2071187328	8,02
2500,0-2599,0	3745445632	14,50
2600,0-2699,0	533607712	2,07
2700,0-2799,0	4267702272	16,52
2800,0-2899,0	3589132032	13,89
2900,0-2999,0	1949822080	7,55
3000,0-3099,0	795426752	3,08
3100,0-3199,0	1069129088	4,14
3200,0-3299,0	3620011776	14,01
>3300,0	4191796224	16,23

### Injector Trim Calibration - C18 988H (00000000)

Injector	Serial Number	File Version
Injector1	000000005A519760175F	0
Injector2	000000005A519760114D	0
Injector3	000000005A5197601343	0
Injector4	000000005A5197600960	0
Injector5	000000005A519760104A	0
Injector6	000000005A519760064D	0

### Trip Segment - C18 988H (00000000)

Data Unavailable
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### Trip Segment - Current - C18 988H (00000000)

Data Unavailable
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### Cat Monitor System 988H (BXY04183)

Parameter	Value
Product ID	BXY04183
Equipment ID	988H
ECM Part Number	2524501-01
ECM Serial Number	1940D595ED
Software Group Part Number	3470404-00
Software Group Release Date	NOV09
Software Group Description	988H 834H 836H Mon Sys
Active Diagnostic Codes Present	Error retrieving active codes.
Diagnostic Clock	13695,0610

### Logged Diagnostic Codes [Diagnostic Clock = 13695 hours] - Cat Monitor System 988H (BXY04183)

Code	Description	Occ.	First	Last
Error retrieving Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 13695 hours] - Cat Monitor System 988H (BXY04183)

Code	Description	Occ.	First	Last
Error retrieving Logged Event Codes				

Active Diagnostic Codes - Cat Monitor System 988H (BXY04183)

Code	Description
Error retrieving Active Diagnostic Codes	

Active Event Codes - Cat Monitor System 988H (BXY04183)

Code	Description
Error retrieving Active Event Codes	

Current Totals - Cat Monitor System 988H (BXY04183)

Description	Value	Unit
Total Operating Hours	13695	hours
Total Distance	59805,30	km

Configuration - Cat Monitor System 988H (BXY04183)

Description	Value	Unit
Product ID	BXY04183	

Implement 988H (BXY04183)

Parameter	Value
Product ID	BXY04183
Equipment ID	988H
ECM Part Number	3045687-02
ECM Serial Number	21806490MS
Software Group Part Number	3617770-00
Software Group Release Date	APR2010
Software Group Description	988H Impl Block Handler
Active Diagnostic Codes Present	No

Logged Diagnostic Codes [Diagnostic Clock = 13695 hours] - Implement 988H (BXY04183)

Code	Description	Occ.	First	Last
168- 2	Electrical System Voltage : Erratic, Intermittent, or Incorrect	2	13694	13694
487- 3	3rd Lever Position Sensor : Voltage Above Normal	2	13693	13693

Logged Event Codes [Diagnostic Clock = 13695 hours] - Implement 988H (BXY04183)

Code	Description	Occ.	First	Last
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No Logged Event Codes				
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### Active Diagnostic Codes - Implement 988H (BXY04183)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Implement 988H (BXY04183)

Code	Description
No Active Events	

### Configuration - Implement 988H (BXY04183)

Description	Value	Unit
ECM Part Number	3045687-02	
ECM Serial Number	21806490MS	
Software Group Part Number	3617770-00	
Software Group Release Date	APR2010	
Software Group Description	988H Impl Block Handler	
Raise Kickout Enable Status	Enabled	
Lower Kickout Enable Status	Enabled	
Rackback Kickout Enable Status	Enabled	
Dump Kickout Enable Status	Disabled	
Lift Linkage Float Enable Status	Enabled	
Quick Drop Feature Enable Status	Disabled	
3rd Function Enable Status	Enabled	
3rd Function Implement Lockout Enable Status	Enabled	
3rd Function Active Implement Pump Flow Rate Configuration	570	L/min
3rd Function Forward Modulation Scale Factor	100	%
3rd Function Rearward Modulation Scale Factor	100	%
Raise Solenoid #1 Start Current	1,078	Amps
Lower Solenoid #1 Start Current	0,891	Amps
Rackback Solenoid #1 Start Current	1,079	Amps
Dump Solenoid #1 Start Current	0,919	Amps
Tilt Cylinder Regeneration Solenoid Start Current	1,000	Amps
3rd Function Forward Solenoid Start Current	1,475	Amps
3rd Function Rearward Solenoid Start Current	1,520	Amps
Implement Dual Pressure Relief Feature Enable Status	Unavailable	
Automatic Idle Kickdown Enable Status	Enabled	
Automatic Idle Kickdown Delay Time	5,0	sec



Axle Oil Cooler Fan Bypass Sol Installation Status	Installed	
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**Transmission 988H (WLD00203)**

Parameter	Value
Product ID	BXY04183
Equipment ID	988H
Transmission Serial Number	WLD00203
Torque Converter Serial Number	CJK00181
ECM Part Number	1729389-06
ECM Serial Number	2250B359DK
Software Group Part Number	3599007-00
Software Group Release Date	FEB2010
Software Group Description	988H Transmission Control
Active Diagnostic Codes Present	No

**Logged Diagnostic Codes [Diagnostic Clock = 13695 hours] - Transmission 988H (WLD00203)**

Code	Description	Occ.	First	Last
562- 9	Caterpillar Monitor System : Abnormal Update Rate	64	13395	13695

**Logged Event Codes [Diagnostic Clock = 13695 hours] - Transmission 988H (WLD00203)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Transmission 988H (WLD00203)**

Code	Description
No Active Diagnostic Codes	

**Configuration - Transmission 988H (WLD00203)**

Description	Value	Unit
Transmission Serial Number	WLD00203	
Torque Converter Serial Number	CJK00181	
ECM Part Number	1729389-06	
ECM Serial Number	2250B359DK	
Software Group Part Number	3599007-00	
Software Group Release Date	FEB2010	
Software Group Description	988H Transmission Control	
Transmission Maximum Forward Gear	4	
Transmission Maximum Reverse Gear	3	
CTS Enabled	Disabled	
Lockup Clutch Installation Status	Installed	
Variable Shift Control Enable Status	Enabled	
Transmission Neutral Coast Limiting Feature Enable Status	Disabled	
Torque Converter Pedal Impeller Clutch Minimum Pressure Setting	203	kPa

Torque Conv Freewheel Stator Installation Status	Not Installed	
Machine Steering Configuration	Unavailable	
Economy Mode	On	
Engine Idle Shutdown Installation Status	Installed	
Ride Control Configuration	Standard (1-valve)	
Ride Control Forward Activation Speed	9,7	km/h
Ride Control Reverse Activation Speed	3,2	km/h
Reduced Rimpull Switch Position 1 Setting	70	%
Reduced Rimpull Switch Position 2 Setting	80	%
Reduced Rimpull Switch Position 3 Setting	90	%
Reduced Rimpull Switch Position 4 Setting	100	%
Auto Lube System Installation Status	Installed	
Number of Auto Lube Pressure Sensors Configuration	2	
Auto Lube Interval	15	min
Minimum Auto Lube Pressure Configuration	15169	kPa

**Job: Total Occurrences vs Torque Converter Oil Outlet Temperature - Transmission 988H (WLD00203)**

Torque Converter Oil Outlet Temperature( Deg C )	Count	%
129,0-132,0	54	31,58
133,0-136,0	58	33,92
>137,0	59	34,50

**Job: Total Occurrences vs Ground Speed - Transmission 988H (WLD00203)**

Ground Speed( km/h )	Count	%
8,0-16,7	1	100,00
17,7-26,4	0	0,00
>27,4	0	0,00

**Shift Count Matrix [Diagnostic Clock = 13695 hours] - Transmission 988H (WLD00203)**

To	N	R1	R2	R3	1	2	3	4
From								
N	---	87294	28301	1294	44765	18118	851	946
R1	35941	---	22292	8	489879	131	7	0
R2	16354	9209	---	513	2160	204573	2	0
R3	599	999	1726	---	66	131	2889	0
1	76633	445738	126	728	---	103737	82	6
2	48684	4577	180086	10	88448	---	41911	17
3	3197	512	320	3834	1351	36643	---	327
4	148	7	5	34	385	264	451	---