

# Cat Electronic Technician 2019C v1.0

## Product Status Report

14-4-2026 12:25

### Product Status Report

Parameter	Value
Product ID	JHD00290
Equipment ID	JHD00290
Comments	

### Machine Control 336 (JHD00290)

Parameter	Value
Product ID	JHD00290
Application Number	13860
ECM Part Number	4307160-07
ECM Serial Number	2368F049WA
Software Group Part Number	6204508-00
Software Group Release Date	FEB2022
Software Group Description	336 HEX CONTROL
ECM Location Code	1

### Logged Diagnostic Codes [Diagnostic Clock = 5100 hours] - Machine Control 336 (JHD00290)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

### Logged Event Codes [Diagnostic Clock = 5100 hours] - Machine Control 336 (JHD00290)

Code	Description	Occ.	First	Last
No Logged Event Codes				

### Active Diagnostic Codes - Machine Control 336 (JHD00290)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Machine Control 336 (JHD00290)

Code	Description
No Active Event Codes	

### System Communication Status - Active Problems - Machine Control 336 (JHD00290)

ECMs	Detected Problem	Data Link	Diagnostic Information
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No issues were reported			
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**System Communication Status - Inactive Problems - Machine Control 336 (JHD00290)**

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

**Current Totals - Machine Control 336 (JHD00290)**

Description	Value	Unit
Total Operating Hours	5101	hours
Engine Maintenance Hours	5099	hours
Hydraulic Pump Hours	5099	hours
Swing Motor Hours	2328	hours
Travel Motor Hours	445	hours
Total Machine Operation Cycle Count	Unavailable	
Lifetime Total Payload Weight	Unavailable	tonne
Refueling Pump Hours	1	hours
Refueling Pump Screen Hours	0	hours

**Configuration - Machine Control 336 (JHD00290)**

Description	Value	Unit
Product ID	JHD00290	
Application Number	13860	
ECM Location Code	1	
Hydraulic Power Mode	High	
Power Mode Power Up Default Configuration	Power	
Lighting Shutdown Timer Duration	1	min
Travel Alarm Installation Status	Not Installed	
Fine Swing System Installation Status	Not Installed	
Smart Boom Installation Status	Installed	
Boom Low Pressure Relief System Installation Status	Not Installed	
Attachment Hydraulic Oil Filter Switch Configuration	Not Installed	
Machine Overload Pressure Sensor Installation	Installed	
Machine Overload Pressure Threshold	20000	kPa
Engine Speed Management Feature Installation Status	Not Installed	
Heavy Lift System Installation Status	Installed	
Quick Coupler Installation Status	Installed with Coupler Accelerator	
Quick Coupler Operation Configuration	Alarm	
Hydraulic Oil Automatic Warm Up Feature Enable Status	Enabled	
Hydraulic Oil Automatic Warm Up Temperature Setpoint	30	Deg C
Camera Lights Installation Status	Not Installed	

Engine Fan Reversing Feature Installation Status	Not Installed	
HVAC Elevated Idle Feature Enable Status	Enabled	
Auto Dedusting Fan System Enable Status	Disabled	
Engine Fan Reverse Operation Interval	20	min
Right Attachment Pedal Installation Status	Not Installed	
Straight Travel Pedal Installation Status	Not Installed	
Joystick Mapping Group Selection	Disabled	
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
Operator Activation of Straight Travel Delay Time	0,0	sec
Operator Deactivation of Straight Travel Delay Time	0,0	sec
One Touch Engine Speed Setting	1000	rpm
AESC Setting	1000	rpm
AESC Delay Time	5,0	sec
Throttle Dial Position 1 Engine Speed	900	rpm
Throttle Dial Position 2 Engine Speed	1000	rpm
Throttle Dial Position 3 Engine Speed	1050	rpm
Throttle Dial Position 4 Engine Speed	1200	rpm
Throttle Dial Position 5 Engine Speed	1400	rpm
Throttle Dial Position 6 Engine Speed	1450	rpm
Throttle Dial Position 7 Engine Speed	1550	rpm
Throttle Dial Position 1 Hydraulic System Torque Percentage	34,4	%
Throttle Dial Position 2 Hydraulic System Torque Percentage	46,5	%
Throttle Dial Position 3 Hydraulic System Torque Percentage	59,0	%
Throttle Dial Position 4 Hydraulic System Torque Percentage	77,5	%
Throttle Dial Position 5 Hydraulic System Torque Percentage	88,6	%
Throttle Dial Position 6 Hydraulic System Torque Percentage	96,2	%
Throttle Dial Position 7 Hydraulic System Torque Percentage	100,0	%
Boom Lower Valve #1 Minimum Solenoid Current	0,738	Amps
Boom Raise Valve #1 Minimum Solenoid Current	0,715	Amps
Boom Raise Valve #2 Minimum Solenoid Current	0,880	Amps
Stick In Valve #1 Minimum Solenoid Current	0,749	Amps
Stick In Valve #2 Minimum Solenoid Current	0,875	Amps
Stick Out Valve #1 Minimum Solenoid Current	0,740	Amps

Bucket Close Valve Minimum Solenoid Current	0,724	Amps
Bucket Open Valve Minimum Solenoid Current	0,750	Amps
Swing Right Valve Minimum Solenoid Current	0,795	Amps
Swing Left Valve Minimum Solenoid Current	0,758	Amps
Left Travel Forward Valve Minimum Solenoid Current	0,763	Amps
Left Travel Backward Valve Minimum Solenoid Current	0,724	Amps
Right Travel Forward Valve Minimum Solenoid Current	0,754	Amps
Right Travel Backward Valve Minimum Solenoid Current	0,723	Amps
Stick Unload Valve Minimum Solenoid Current	0,767	Amps
Swing Priority Valve Minimum Solenoid Current	1,072	Amps
Boom Float Solenoid Minimum Current	0,800	Amps
Spool Response Selection	Fast	
Fine Mode Operator Adjustment Enable Status	Disabled	
Excavator Stick Configuration	Unavailable	
Remote Control System Installation Status	Not Installed	
Advanced Machine Security System Installation Status	Installed	
Security System Authentication Device Registration Bypass Enable Status	Disabled	
Operator Identification Enable Status	Enabled	
Operator Management Passcode Enabled Status	Enabled	
Operator Management Bluetooth Device Enabled Status	Enabled	
Security System Grace Time Period	1200	sec
Sunday Security System Bypass Start Time	00:00	
Sunday Security System Bypass Stop Time	00:00	
Monday Security System Bypass Start Time	00:00	
Monday Security System Bypass Stop Time	00:00	
Tuesday Security System Bypass Start Time	00:00	
Tuesday Security System Bypass Stop Time	00:00	
Wednesday Security System Bypass Start Time	00:00	
Wednesday Security System Bypass Stop Time	00:00	
Thursday Security System Bypass Start Time	00:00	

Thursday Security System Bypass Stop Time	00:00	
Friday Security System Bypass Start Time	00:00	
Friday Security System Bypass Stop Time	00:00	
Saturday Security System Bypass Start Time	00:00	
Saturday Security System Bypass Stop Time	00:00	
Total Tattletale	0	

**Calibration Status - Machine Control 336 (JHD00290)**

Calibration	Status	Last Successful Completion
All Levers and Pedals Calibration	Success	0,3 hours
Inertial Measurement Unit Identification Calibration	Success	4,9 hours
Hydraulic Oil Cooling Fan Calibration	Unknown	Never Successfully Calibrated
All Pumps with Pump Pressure Calibration	Success	0,4 hours
All Implements with Pump Pressure Calibration	Success	0,6 hours
Engine Cooling Fan Calibration	Success	1,0 hours

**C9.3B 336 (XWE00540)**

Parameter	Value
Equipment ID	JHD00290
Engine Serial Number	XWE00540
ECM Part Number	5210791-03
ECM Serial Number	18062900404D001M
Software Group Part Number	6256393-00
Software Group Release Date	MAR22
Software Group Description	336 HRC C9.3B
Calibration Identification Number	CF120_08
Operator Inducement Regulation Configuration	Worldwide

**Logged Diagnostic Codes [Diagnostic Clock = 5100 hours] - C9.3B 336 (XWE00540)**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

**Logged Event Codes [Diagnostic Clock = 5100 hours] - C9.3B 336 (XWE00540)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - C9.3B 336 (XWE00540)**

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - C9.3B 336 (XWE00540)

Code	Description
No Active Event Codes	

### System Communication Status - Active Problems - C9.3B 336 (XWE00540)

ECMs	Detected Problem	Data Link	Diagnostic Information
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### System Communication Status - Inactive Problems - C9.3B 336 (XWE00540)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: C9.3B 336 (XWE00540) - Device 2: Machine Control Module	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #1	Diagnostic Code: 247-9 - Service Hour Meter: 5092:25:03 -
Device 1: C9.3B 336 (XWE00540) - Device 2: Machine Control Module	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #1	Diagnostic Code: 247-9 - Service Hour Meter: 3868:23:18 -

### Current Totals - C9.3B 336 (XWE00540)

Description	Value	Unit
Total Idle Time	1449:06	hours
Total Fuel	99963	L
Total Engine #1 Fuel	99963	L
Total Idle Fuel	5901	L
Total Max Fuel	277897	L
Aftertreatment #1 Total DEF Used	5860,1	L
Engine Lifetime Hours	5072,3	hours
Average Load Factor	34	%
Engine Starts	4027	
Lifetime Total Engine Revolutions	402731652	rev
Total Operating Hours	5100,8	hours
DPF #1 Last Ash Service Engine Lifetime Hours	0,0	hours
Operator Inducement Emergency Override Total Activations	0	
Operator Inducement Emergency Override Total Resets	0	
Total Engine Idle Shutdown Count	618	
Total Engine Idle Shutdown Overrides Count	106	
Total Delayed Engine Shutdown Count	0	
Total Delayed Engine Shutdown Overrides Count	0	
Exhaust Particulate Control System Diagnostic Time	0	sec

Exhaust Particulate Control System Diagnostic Count	0	
Starts/Hour	0,79	
Average RPM	1323,32	rpm
Percentage Idle Time	28,57	%
Average Fuel Rate	19,71	L/h
Overall Load Factor	35	%

### Configuration - C9.3B 336 (XWE00540)

Description	Value	Unit
Equipment ID	JHD00290	
Engine Serial Number	XWE00540	
ECM Serial Number	18062900404D001M	
Software Group Part Number	6256393-00	
Software Group Release Date	MAR22	
Software Group Description	336 HRC C9.3B	
Low Idle Speed	800	rpm
High Idle Speed	1880	rpm
Coolant Level Sensor	Installed	
Ether Solenoid Configuration	Continuous Flow Solenoid	
Crankcase Pressure Sensor Installation Status	Not Installed	
Ambient Air Temperature Sensor Installation Status	Not Installed	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Engine Warm Up Elevated Idle Delay Time	10,0	min
Engine Idle Shutdown Minimum Ambient Air Temperature	0,0	Deg C
Engine Idle Shutdown Maximum Ambient Air Temperature	30,0	Deg C
Engine Idle Shutdown Enable Status	Enabled	
Engine Idle Shutdown Delay Time	60,0	min
Engine Idle Shutdown Ambient Temperature Override Enable Status	Enabled	
Delayed Engine Shutdown Enable Status	Enabled	
Delayed Engine Shutdown Maximum Time	10,0	min
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	
Delayed Engine Shutdown Aftertreatment Gas Temperature Threshold	525,0	Deg C
Factory Installed Aftertreatment #1 Identification Number	CWN157429A	
Factory Installed Aftertreatment #2 Identification Number	NOT PROG	

DPF Type	Type 1	
System Operating Voltage Configuration	24 Volt	
FLS	-6	
FTS	0	
CAN Communication Protocol Write Security	Seed and Key Access	
CAN Communication Protocol Read Security	Seed and Key Access	

#### Lifetime:Accumulated Time vs Air Inlet Temperature - C9.3B 336 (XWE00540)

Air Inlet Temperature( Deg C )	hours	%
<(-20,00)	0,45	0,01
(-20,00)-(-15,01)	0,00	0,00
(-15,00)-(-10,01)	0,00	0,00
(-10,00)-(-5,01)	0,20	0,00
(-5,00)-(-0,01)	18,05	0,37
0,00-4,99	108,50	2,23
5,00-9,99	428,70	8,80
10,00-14,99	767,25	15,75
15,00-19,99	894,30	18,36
20,00-24,99	960,50	19,71
25,00-29,99	902,50	18,52
30,00-34,99	560,60	11,51
35,00-39,99	201,25	4,13
40,00-44,99	29,20	0,60
45,00-49,99	0,55	0,01
50,00-54,99	0,00	0,00
55,00-59,99	0,00	0,00
60,00-64,99	0,00	0,00
65,00-69,99	0,00	0,00
70,00-74,99	0,00	0,00
75,00-80,00	0,00	0,00
>80,00	0,00	0,00

#### Lifetime:Accumulated Time vs Intake Manifold Pressure - C9.3B 336 (XWE00540)

Intake Manifold Pressure( kPa )	hours	%
<80,00	7,90	2,84
80,00-89,99	9,65	3,47
90,00-99,99	13,60	4,89
100,00-109,99	17,05	6,13
110,00-119,99	20,55	7,39
120,00-129,99	25,00	8,99
130,00-139,99	28,80	10,35
140,00-149,99	35,25	12,67
150,00-159,99	46,25	16,62
160,00-169,99	54,50	19,59
170,00-179,99	17,70	6,36
180,00-189,99	1,75	0,63

190,00-199,99	0,20	0,07
200,00-209,99	0,00	0,00
210,00-219,99	0,00	0,00
220,00-229,99	0,00	0,00
230,00-239,99	0,00	0,00
240,00-249,99	0,00	0,00
250,00-259,99	0,00	0,00
260,00-269,99	0,00	0,00
270,00-279,99	0,00	0,00
280,00-289,99	0,00	0,00
290,00-299,99	0,00	0,00
300,00-309,99	0,00	0,00
310,00-319,99	0,00	0,00
320,00-329,99	0,00	0,00
330,00-339,99	0,00	0,00
340,00-349,99	0,00	0,00
350,00-359,99	0,00	0,00
360,00-369,99	0,00	0,00
370,00-379,99	0,00	0,00
380,00-389,99	0,00	0,00
390,00-399,99	0,00	0,00
400,00-409,99	0,00	0,00
410,00-419,99	0,00	0,00
420,00-429,99	0,00	0,00
430,00-439,99	0,00	0,00
440,00-449,99	0,00	0,00
450,00-459,99	0,00	0,00
460,00-469,99	0,00	0,00
470,00-479,99	0,00	0,00
480,00-489,99	0,00	0,00
490,00-499,99	0,00	0,00
500,00-509,99	0,00	0,00
510,00-519,99	0,00	0,00
520,00-529,99	0,00	0,00
530,00-539,99	0,00	0,00
540,00-549,99	0,00	0,00
550,00-559,99	0,00	0,00
560,00-569,99	0,00	0,00
570,00-579,99	0,00	0,00
580,00-589,99	0,00	0,00
590,00-600,00	0,00	0,00
>600,00	0,00	0,00

**Lifetime:Accumulated Time vs Engine Coolant Temperature - C9.3B 336 (XWE00540)**

Engine Coolant Temperature( Deg C )	hours	%
<0,00	0,45	0,01
0,00-4,99	0,05	0,00

5,00-9,99	0,50	0,01
10,00-14,99	2,40	0,05
15,00-19,99	5,45	0,11
20,00-24,99	8,65	0,18
25,00-29,99	11,85	0,24
30,00-34,99	14,95	0,31
35,00-39,99	17,25	0,35
40,00-44,99	17,45	0,36
45,00-49,99	19,10	0,39
50,00-54,99	22,05	0,45
55,00-59,99	24,15	0,50
60,00-64,99	26,05	0,53
65,00-69,99	33,15	0,68
70,00-74,99	198,45	4,07
75,00-79,99	3606,75	74,03
80,00-84,99	858,15	17,61
85,00-89,99	5,25	0,11
90,00-94,99	0,00	0,00
95,00-99,99	0,00	0,00
100,00-104,99	0,00	0,00
105,00-109,99	0,00	0,00
110,00-114,99	0,00	0,00
115,00-119,99	0,00	0,00
120,00-124,99	0,00	0,00
125,00-129,99	0,00	0,00
130,00-134,99	0,00	0,00
135,00-139,99	0,00	0,00
140,00-144,99	0,00	0,00
145,00-150,00	0,00	0,00
>150,00	0,00	0,00

#### Lifetime:Accumulated Time vs Engine Speed - C9.3B 336 (XWE00540)

Engine Speed( rpm )	hours	%
<550,0	0,90	0,02
550,0-599,9	0,05	0,00
600,0-649,9	0,10	0,00
650,0-699,9	0,10	0,00
700,0-749,9	0,10	0,00
750,0-799,9	0,10	0,00
800,0-849,9	0,15	0,00
850,0-899,9	224,25	4,60
900,0-949,9	257,10	5,28
950,0-999,9	356,10	7,31
1000,0-1049,9	395,20	8,11
1050,0-1099,9	11,55	0,24
1100,0-1149,9	24,80	0,51
1150,0-1199,9	58,80	1,21
1200,0-1249,9	51,10	1,05

1250,0-1299,9	189,70	3,89
1300,0-1349,9	322,70	6,62
1350,0-1399,9	541,10	11,11
1400,0-1449,9	611,75	12,56
1450,0-1499,9	510,60	10,48
1500,0-1549,9	781,60	16,04
1550,0-1599,9	516,15	10,59
1600,0-1649,9	15,85	0,33
1650,0-1699,9	1,40	0,03
1700,0-1749,9	1,15	0,02
1750,0-1799,9	0,00	0,00
1800,0-1849,9	0,00	0,00
1850,0-1899,9	0,00	0,00
1900,0-1949,9	0,00	0,00
1950,0-1999,9	0,00	0,00
2000,0-2049,9	0,00	0,00
2050,0-2099,9	0,00	0,00
2100,0-2149,9	0,00	0,00
2150,0-2199,9	0,00	0,00
2200,0-2249,9	0,00	0,00
2250,0-2299,9	0,00	0,00
2300,0-2349,9	0,00	0,00
2350,0-2399,9	0,00	0,00
2400,0-2449,9	0,00	0,00
2450,0-2499,9	0,00	0,00
2500,0-2549,9	0,00	0,00
2550,0-2599,9	0,00	0,00
2600,0-2649,9	0,00	0,00
2650,0-2699,9	0,00	0,00
2700,0-2749,9	0,00	0,00
2750,0-2799,9	0,00	0,00
2800,0-2849,9	0,00	0,00
2850,0-2899,9	0,00	0,00
2900,0-2949,9	0,00	0,00
2950,0-2999,9	0,00	0,00
3000,0-3049,9	0,00	0,00
3050,0-3099,9	0,00	0,00
3100,0-3149,9	0,00	0,00
3150,0-3199,9	0,00	0,00
3200,0-3249,9	0,00	0,00
3250,0-3299,9	0,00	0,00
3300,0-3349,9	0,00	0,00
3350,0-3400,0	0,00	0,00
>3400,0	0,00	0,00

**Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C9.3B 336 (XWE00540)**

Engine Speed( rpm )		%
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2500,0-2599,9	0,00	0,00
2600,0-2699,9	0,00	0,00
2700,0-2799,9	0,00	0,00
2800,0-2899,9	0,00	0,00
2900,0-2999,9	0,00	0,00
3000,0-3099,9	0,00	0,00
3100,0-3199,9	0,00	0,00
3200,0-3299,9	0,00	0,00
3300,0-3400,0	0,00	0,00
>3400,0	0,00	0,00

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9.3B 336 (XWE00540)**

rpm	<600,0	600,0-649,9	650,0-699,9	700,0-749,9	750,0-799,9	800,0-849,9	850,0-899,9	900,0-949,9	950,0-999,9
%									
<0,0	0,40	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0,0-9,9	0,00	0,00	0,00	0,00	0,05	0,05	155,15	179,85	335,65
10,0-19,9	0,00	0,00	0,00	0,00	0,00	0,00	19,95	18,45	4,75
20,0-29,9	0,00	0,00	0,00	0,00	0,00	0,00	0,75	1,55	0,35
30,0-39,9	0,00	0,00	0,00	0,00	0,00	0,00	0,65	1,40	0,25
40,0-49,9	0,00	0,00	0,00	0,00	0,00	0,00	0,10	0,15	0,25
50,0-59,9	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,05
60,0-69,9	0,40	0,05	0,00	0,00	0,00	0,00	0,00	0,00	0,05
70,0-79,9	0,10	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
80,0-89,9	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
90,0-100,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
>100,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	0,90	0,05	0,00	0,00	0,05	0,05	176,60	201,40	341,35

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9.3B 336 (XWE00540)**

rpm	1000,0-1049,9	1050,0-1099,9	1100,0-1149,9	1150,0-1199,9	1200,0-1249,9	1250,0-1299,9	1300,0-1349,9	1350,0-1399,9	1400,0-1449,9
%									
<0,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0,0-9,9	366,20	2,95	8,25	11,00	5,30	38,95	38,70	69,90	51,55
10,0-19,9	6,15	1,60	4,35	9,25	5,55	29,85	41,10	91,90	75,00
20,0-29,9	1,30	0,95	2,40	9,60	9,70	27,15	38,30	70,50	75,70







92,00-100,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
>100,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

**High Exhaust Temperature Prevention Derate Time - C9.3B 336 (XWE00540)**

Deg C	80,00-84,99	85,00-89,99	90,00-94,99	95,00-100,00	>100,00	Total
kPa						
<60,00	0,00	0,00	0,00	0,00	0,00	0,00
60,00-67,99	0,00	0,00	0,00	0,00	0,00	0,00
68,00-75,99	0,00	0,00	0,00	0,00	0,00	0,00
76,00-83,99	0,00	0,00	0,00	0,00	0,00	0,00
84,00-91,99	0,00	0,00	0,00	0,00	0,00	0,00
92,00-100,00	0,00	0,00	0,00	0,00	0,00	0,00
>100,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	0,00	0,00	0,00	0,00	0,00	0,00

**Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C9.3B 336 (XWE00540)**

%	<40	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119
ARD Manual Disable Status									
0	4876,80	55,70	0,90	0,00	0,00	0,00	0,00	0,00	0,00
1	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	4876,80	55,70	0,90	0,00	0,00	0,00	0,00	0,00	0,00

**Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C9.3B 336 (XWE00540)**

%	120-129	130-140	>140	Total
ARD Manual Disable Status				
0	0,00	0,00	0,00	4933,40
1	0,00	0,00	0,00	0,00
Total	0,00	0,00	0,00	4933,40

**Monitoring System - C9.3B 336 (XWE00540)**

**High Air Filter Restriction**

172-1 High Air Filter Restriction (Always On)

Description	Value	Delay Time
Enable Conditions		
Engine Run Time	240 sec	
Activation Thresholds		
Engine Air Filter Differential Pressure	6,5 kPa	50 kPa-sec

Action	Parameter		Value
Warn Operator			

172-2 High Air Filter Restriction (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		240 sec		
Activation Thresholds				
Engine Air Filter Differential Pressure		6,5 kPa		100 kPa-sec

Action	Parameter		Value
Engine Derate			

High Fuel/Water Separator Water Level

232-1 High Fuel/Water Separator Water Level (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Water In Fuel Indicator #1				5 sec

Action	Parameter		Value
Warn Operator			

232-2 High Fuel/Water Separator Water Level (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Water In Fuel Indicator #1				1800 sec

Action	Parameter		Value
Engine Derate			

Low Engine Oil Pressure

360-1 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time
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Enable Conditions				
Engine Run Time		35 sec		
Activation Thresholds				
Engine Oil Pressure				8 sec

Action	Parameter		Value
Warn Operator			

### 360-2 Low Engine Oil Pressure (Off)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		35 sec		
Activation Thresholds				
Engine Oil Pressure				4 sec

Action	Parameter		Value
Engine Derate			

### 360-3 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		35 sec		
Activation Thresholds				
Engine Oil Pressure				8 sec

Action	Parameter		Value
Engine Shutdown			

## High Engine Coolant Temperature

### 361-1 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Engine Coolant Temperature		109 Deg C		10 sec

Action	Parameter		Value
Warn Operator			

### 361-2 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Engine Coolant Temperature		111 Deg C		20 sec

Action	Parameter		Value
Engine Derate			

### 361-3 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Engine Coolant Temperature		114 Deg C		10 sec

Action	Parameter		Value
Engine Derate			

## Engine Overspeed

### 362-1 Engine Overspeed (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Engine Speed		2600 rpm		0,6 sec

Action	Parameter		Value
Warn Operator			

### 362-3 Engine Overspeed (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Engine Speed		2800 rpm		0,6 sec

Action	Parameter		Value
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Engine Shutdown			
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### High Fuel Supply Temperature

#### 363-1 High Fuel Supply Temperature (Off)

Description		Value		Delay Time
<u>Enable Conditions</u>				
Engine Run Time		180 sec		
<u>Activation Thresholds</u>				
Fuel Temperature		78 Deg C		30 sec

Action	Parameter		Value
Warn Operator			

#### 363-2 High Fuel Supply Temperature (Always On)

Description		Value		Delay Time
<u>Enable Conditions</u>				
Engine Run Time		180 sec		
<u>Activation Thresholds</u>				
Fuel Temperature		79 Deg C		30 sec

Action	Parameter		Value
Engine Derate			

#### 363-3 High Fuel Supply Temperature (Off)

Description		Value		Delay Time
<u>Enable Conditions</u>				
Engine Run Time		180 sec		
<u>Activation Thresholds</u>				
Fuel Temperature		85 Deg C		30 sec

Action	Parameter		Value
Engine Shutdown			

### Fuel Filter Restriction

#### 390-1 Fuel Filter Restriction (Always On)

Description		Value		Delay Time

Action	Parameter		Value
Warn Operator			

### 390-2 Fuel Filter Restriction (Always On)

Description	Value	Delay Time
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Action	Parameter	Value
Engine Derate		

### High Intake Manifold Air Temperature

#### 539-1 High Intake Manifold Air Temperature (Always On)

Description	Value	Delay Time
<u>Enable Conditions</u>		
Boost Pressure	30 kPa	
Engine Run Time	180 sec	
<u>Activation Thresholds</u>		
Intake Manifold Air Temperature	115 Deg C	4 sec

Action	Parameter	Value
Warn Operator		

#### 539-2 High Intake Manifold Air Temperature (Always On)

Description	Value	Delay Time
<u>Enable Conditions</u>		
Boost Pressure	30 kPa	
Engine Run Time	180 sec	
<u>Activation Thresholds</u>		
Intake Manifold Air Temperature	120 Deg C	4 sec

Action	Parameter	Value
Engine Derate		

#### 539-3 High Intake Manifold Air Temperature (Off)

Description	Value	Delay Time
<u>Enable Conditions</u>		
Boost Pressure	30 kPa	
Engine Run Time	180 sec	
<u>Activation Thresholds</u>		
Intake Manifold Air Temperature	122 Deg C	4 sec

Action	Parameter	Value
Engine Shutdown		

## High Engine Air Filter #1 Differential Pressure

### 583-1 High Engine Air Filter #1 Differential Pressure (Always On)

Description	Value	Delay Time
Enable Conditions		
Engine Run Time	60 sec	
Activation Thresholds		
Activation Sample Size	250	
Deactivation Conditions		
Deactivation Sample Size	10	

Action	Parameter	Value
Warn Operator		

### 583-2 High Engine Air Filter #1 Differential Pressure (Always On)

Description	Value	Delay Time
Enable Conditions		
Engine Run Time	60 sec	
Activation Thresholds		
Activation Sample Size	1000	
Deactivation Conditions		
Deactivation Sample Size	10	

Action	Parameter	Value
Engine Derate		

### Injector Codes Calibration - C9.3B 336 (XWE00540)

Injector	Code
Injector 1	AIH7ARA81A
Injector 2	AIH7AZAAIA
Injector 3	AIACA4AAAA
Injector 4	AAAAARA81A
Injector 5	81H3B4A81A
Injector 6	8SHSBDA81A

### Aftertreatment Regeneration History - C9.3B 336 (XWE00540)

Aftertreatment Regeneration Trigger Type	Regeneration Trigger Service Hours	Aftertreatment Regeneration Trigger Percent Soot	Aftertreatment Regeneration Start Sulfation Level	Aftertreatment Regeneration End Trigger Type	Regeneration Completion Service Hours	Aftertreatment Regeneration End Status
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SCR Maintenance	5019,19 hours	0 %	80 %	SCR Maintenance	5019,60 hours	Complete
SCR Maintenance	4937,21 hours	0 %	80 %	SCR Maintenance	4937,62 hours	Complete
SCR Maintenance	4855,56 hours	0 %	80 %	SCR Maintenance	4855,98 hours	Complete
SCR Deposit	4790,84 hours	0 %	17 %	Off	4790,87 hours	Complete
SCR Maintenance	4772,60 hours	0 %	80 %	SCR Maintenance	4773,01 hours	Complete
SCR Maintenance	4673,45 hours	0 %	80 %	SCR Maintenance	4673,88 hours	Complete
SCR Maintenance	4604,88 hours	0 %	80 %	SCR Maintenance	4605,22 hours	Complete
SCR Maintenance	4518,39 hours	0 %	80 %	SCR Maintenance	4518,93 hours	Complete
SCR Maintenance	4433,89 hours	0 %	80 %	SCR Maintenance	4434,29 hours	Complete
SCR Maintenance	4349,53 hours	0 %	80 %	SCR Maintenance	4349,95 hours	Complete
SCR Maintenance	4263,33 hours	0 %	80 %	SCR Maintenance	4263,76 hours	Complete
SCR Maintenance	4176,75 hours	0 %	80 %	SCR Maintenance	4177,16 hours	Complete
Service	4090,64 hours	25 %	133 %	Service	4092,88 hours	Complete
Service	4090,39 hours	26 %	132 %	Service	4090,51 hours	Complete
Service	4090,29 hours	26 %	132 %	Service	4090,37 hours	Disabled
Service	4089,64 hours	25 %	132 %	Service	4089,78 hours	Complete
Service	4089,55 hours	25 %	132 %	Service	4089,63 hours	Disabled
Service	4089,50 hours	25 %	132 %	Service	4089,52 hours	Unsuccessful
SCR Maintenance	4043,91 hours	0 %	90 %	SCR Maintenance	4044,36 hours	Complete
SCR Maintenance	4039,12 hours	0 %	97 %	SCR Maintenance	4039,74 hours	Complete
SCR Maintenance	4019,84 hours	0 %	90 %	SCR Maintenance	4020,31 hours	Complete
SCR Maintenance	4014,97 hours	0 %	90 %	SCR Maintenance	4015,32 hours	Disabled
SCR Deposit	4010,36 hours	0 %	7 %	SCR Deposit	4010,37 hours	Complete
SCR Maintenance	4001,09 hours	0 %	91 %	SCR Maintenance	4001,57 hours	Complete
SCR Maintenance	3997,82 hours	0 %	90 %	SCR Maintenance	3998,28 hours	Complete
SCR Maintenance	3991,84 hours	0 %	116 %	SCR Maintenance	3992,45 hours	Complete
SCR Maintenance	3922,54 hours	0 %	119 %	SCR Maintenance	3923,14 hours	Complete

SCR Maintenance	3891,46 hours	0 %	90 %	SCR Maintenance	3891,91 hours	Complete
SCR Maintenance	3887,37 hours	0 %	90 %	SCR Maintenance	3887,83 hours	Complete
SCR Maintenance	3885,29 hours	0 %	92 %	SCR Maintenance	3885,75 hours	Complete
SCR Maintenance	3882,03 hours	0 %	90 %	SCR Maintenance	3882,49 hours	Complete
SCR Maintenance	3878,77 hours	0 %	92 %	SCR Maintenance	3879,24 hours	Complete
SCR Maintenance	3875,53 hours	0 %	90 %	SCR Maintenance	3875,97 hours	Complete
Service	3869,22 hours	0 %	58 %	Service	3869,36 hours	Complete
SCR Maintenance	3805,02 hours	0 %	80 %	SCR Maintenance	3805,43 hours	Complete
SCR Maintenance	3769,18 hours	0 %	90 %	SCR Maintenance	3769,42 hours	Disabled
SCR Maintenance	3767,74 hours	0 %	80 %	SCR Maintenance	3767,99 hours	Disabled
SCR Maintenance	3707,87 hours	0 %	90 %	SCR Maintenance	3708,23 hours	Disabled
SCR Maintenance	3657,45 hours	0 %	80 %	SCR Maintenance	3657,86 hours	Complete
SCR Maintenance	3575,36 hours	0 %	80 %	SCR Maintenance	3575,78 hours	Complete

#### Aftertreatment Abnormal Shutdown History - C9.3B 336 (XWE00540)

##### History Data

No history data available.

#### Engine Protection Event History - Lifetime - C9.3B 336 (XWE00540)

##### History Data

No history data available.

#### Engine Protection Event History - C9.3B 336 (XWE00540)

##### History Data

No history data available.

#### Service Test History - C9.3B 336 (XWE00540)

Service Test Name	Total Operating Hours	Service Test Error ID	Service Test Status
Aftertreatment #1 System Functional Test	0,9 hours	0000	Complete
DEF Dosing System Accuracy Test	2043,1 hours	1229	Incomplete
DEF Dosing System Accuracy Test	2043,1 hours	1229	Incomplete
DEF Dosing System Accuracy Test	2043,1 hours	1229	Incomplete
DEF Dosing System Verification Test	2043,1 hours	0000	Complete
Aftertreatment #1 System Functional Test	3868,1 hours	0002	Incomplete

Aftertreatment #1 System Functional Test	3869,3 hours	0000	Complete
Manual DPF Regeneration	4089,6 hours	1164	Incomplete
Aftertreatment NOx Sensor Functional Test	4090,0 hours	0000	Complete
Manual DPF Regeneration	4090,1 hours	1164	Incomplete
Manual DPF Regeneration	4090,2 hours	1164	Incomplete
Aftertreatment #1 System Functional Test	4090,5 hours	0000	Complete
Aftertreatment Recovery Procedure	4092,8 hours	0000	Complete

**Diesel Oxidation Catalyst Replacement - C9.3B 336 (XWE00540)**

Description	Value	Unit
Engine Lifetime Hours	Unavailable	
Total Operating Hours	Unavailable	

**History Data**

No history data available.

**Aftertreatment Hydrocarbon Doser Regeneration Lockout Reset - C9.3B 336 (XWE00540)**

Description	Value	Unit
Total Operating Hours	Unavailable	
Aftertreatment Hydrocarbon Doser Regeneration Lockout Reset Status	Unavailable	

**History Data**

No history data available.

**Aftertreatment #1 SCR Catalyst Replacement - C9.3B 336 (XWE00540)**

Description	Value	Unit
Engine Lifetime Hours	Unavailable	
Total Operating Hours	Unavailable	

**History Data**

No history data available.

**DPF Ash Service - C9.3B 336 (XWE00540)**

Description	Value	Unit
DPF #1 Ash Service Status	Unavailable	
Engine Lifetime Hours	Unavailable	
Total Operating Hours	Unavailable	
DPF #1 Hours Since Last Ash Service	Unavailable	

### History Data

No history data available.

### Implement Control #2 (JHD00290)

Parameter	Value
Product ID	JHD00290
ECM Part Number	4307160-07
ECM Serial Number	2678F151WA
Software Group Part Number	6204510-00
Software Group Release Date	FEB2022
Software Group Description	HEX CONTROL SECONDARY

### Logged Diagnostic Codes [Diagnostic Clock = 5100 hours] - Implement Control #2 (JHD00290)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

### Logged Event Codes [Diagnostic Clock = 5100 hours] - Implement Control #2 (JHD00290)

Code	Description	Occ.	First	Last
No Logged Event Codes				

### Active Diagnostic Codes - Implement Control #2 (JHD00290)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Implement Control #2 (JHD00290)

Code	Description
No Active Event Codes	

### System Communication Status - Active Problems - Implement Control #2 (JHD00290)

ECMs	Detected Problem	Data Link	Diagnostic Information
Error retrieving System Communication Status data			

### System Communication Status - Inactive Problems - Implement Control #2 (JHD00290)

ECMs	Detected Problem	Data Link	Diagnostic Information
Error retrieving System Communication Status data			

### Current Totals - Implement Control #2 (JHD00290)

Description	Value	Unit
Tool #1 Hours	0	hours
Tool #2 Hours	26	hours

Tool #3 Hours	4	hours
Tool #4 Hours	0	hours
Tool #5 Hours	0	hours
Tool #6 Hours	11	hours
Tool #7 Hours	6	hours
Tool #8 Hours	85	hours
Tool #9 Hours	107	hours
Tool #10 Hours	5	hours
Tool #11 Hours	0	hours
Tool #12 Hours	0	hours
Tool #13 Hours	11	hours
Tool #14 Hours	0	hours
Tool #15 Hours	0	hours
Tool #16 Hours	0	hours
Tool #17 Hours	0	hours
Tool #18 Hours	0	hours
Tool #19 Hours	0	hours
Tool #20 Hours	0	hours

**Configuration - Implement Control #2 (JHD00290)**

Description	Value	Unit
Product ID	JHD00290	
ECM Location Code	2	
Machine Application Configuration	Multi-Proc - Electrical	
Variable Adjustable Boom Installation Status	Not Installed	
Blade Installation Status	Not Installed	
Attachment Valve #1 Configuration	One Way or Two Way - Pump #1	
Attachment Valve #2 Configuration	One Way or Two Way - Pump #2	
Attachment Valve #3 Configuration	Attachment Pump Valve - Two Way	
Attachment Valve #4 Configuration	Not Installed	
Attachment Valve #5 Configuration	Not Installed	
Attachment Valve #1 Combiner Configuration	Valve #2 Combined with Valve #1	
Variable Relief Valve #1 Configuration	Installed on Valve #1 Extend port	
Variable Relief Valve #2 Configuration	Installed on Valve #1 Retract port	
Multi-Function with Combined Attachments Automatic Control Installation	Installed	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Work Tool Detection Enable Status	Enabled	
Joystick Handle Configuration	Modulation Handle	
Left Attachment Pedal Installation Status	Not Installed	
Undercarriage Length Configuration	Standard	
Crane Actual Load Adjustment	0	kg
Machine Undercarriage Configuration	Fixed Gauge Narrow Track	
Counterweight Weight	7,5	tonne

Machine Track Configuration	Unavailable	
Grade Control System Installation Status	Not Installed	
Boom Cylinder Maximum Extension Length	3500,0	mm
Boom Cylinder Minimum Retraction Length	2060,0	mm
Stick Cylinder Maximum Extension Length	4126,0	mm
Stick Cylinder Minimum Retraction Length	2388,0	mm
Bucket Cylinder Maximum Extension Length	2912,0	mm
Bucket Cylinder Minimum Retraction Length	1761,0	mm
Boom to Center of Rotation Lateral Offset	-105	mm
Boom to Center of Rotation Reach Offset	134	mm
Production Measurement Feature Installation Status	Installed	
Production Measurement Feature Enable Status	Enabled	
Engine Torque Correction Factor	Unavailable	%
Machine Modification Weight	Unavailable	tonne
Payload Target Weight Audible Alarm Configuration	On	
Payload Last Pass Audible Alarm Configuration	On	
Payload Weight Calculation Acceptable Audible Alarm Configuration	On	
Payload System Re-zeroing Interval	0	hours
Port Lever #1 Position	Unavailable	%
Port Lever #2 Position	Unavailable	%
Port Lever #3 Position	Unavailable	%
Starboard Lever #1 Position	Unavailable	%
Starboard Lever #2 Position	Unavailable	%
Starboard Lever #3 Position	Unavailable	%
Port Lever Position	Unavailable	%
Starboard Lever Position	Unavailable	%
Crane Warning System Enable Status	Enabled	
Production Measurement Boom Axis Torque Estimation Coefficient	0,00	
Selected Production Measurement Boom Axis Torque Estimate Coefficient Index	0	
Crane User Defined Maximum Load	0,00	tonne
Crane Enhanced Over Rated Capacity Travel Warning Enable Status	Enabled	
Semi-Automatic Excavator System Installation Status	Installed	
Slope Assist Enable Status	Enabled	
Grade Assist Boom Down Enable Configuration	Enabled	
Boom Assist Automatic Grade Assist Enable Configuration	Enabled	
Slope Assist Response Rate Start Up Setting	Medium	
Overcut Assist Enable Status	Disabled	

Grade Assist Attachment Angle Adjustment	0,0	Deg
Attachment Valve #1 Retract Minimum Solenoid Current	0,773	Amps
Attachment Valve #2 Retract Minimum Solenoid Current	0,762	Amps
Attachment Valve #4 Retract Minimum Solenoid Current	0,719	Amps
Attachment Valve #1 Extend Minimum Solenoid Current	0,758	Amps
Attachment Valve #2 Extend Minimum Solenoid Current	0,750	Amps
Attachment Valve #4 Extend Minimum Solenoid Current	0,719	Amps
Virtual Floor Enable Status	Disabled	
Boom Calibration Angle Offset	-0,3	Deg
Stick Calibration Angle Offset	0,0	Deg
Bucket Linkage Angle Calibration Gain	102,38	%
Bucket Linkage Angle Calibration Offset	11,4	Deg
Swing Calibration Angle Offset	176,14	Deg
Machine Pitch Calibration Offset	0,670	Deg
Machine Roll Calibration Offset	1,020	Deg
Fore Boom Raise/Lower Calibration Angle Offset	0,0	Deg
Length B-L	1930	mm
Length L-M	180	mm
Stick Centerline to Laser Catcher Distance	210	mm
Bucket Linkage Position Sensor Configuration	Rotary Position Sensor	

### Calibration Status - Implement Control #2 (JHD00290)

Calibration	Status	Last Successful Completion
PRV - Variable Relief Pressure Calibration Solenoid 2	Success	0,8 hours
PRV - Variable Relief Pressure Calibration Solenoid 1	Success	0,8 hours
Pump #2 Flow Limitation Pressure Solenoid Calibration - Flow	Success	0,8 hours
Pump #1 Flow Limitation Pressure Solenoid Calibration - Flow	Success	0,8 hours
All Levers and Pedals Calibration	Success	0,3 hours
All Implements with Pump Pressure Calibration	Success	0,7 hours
Directional Heading Sensor Calibration	Not Calibrated	Never Successfully Calibrated
Chassis Angle Sensor Calibration	Success	3459,4 hours
Bucket Link Sensor Calibration	Success	4,9 hours
Blade Lower Solenoid	Not Calibrated	Never Successfully Calibrated
Blade Raise Solenoid	Not Calibrated	Never Successfully Calibrated

Attachment Valve #3 Retract	Success	0,8 hours
Attachment Valve #3 Extend	Success	0,8 hours

**Job:Accumulated Occurrences vs Hammer Continuous Operation Time - Implement Control #2 (JHD00290)**

Hammer Continuous Operation Time( sec )		%
0,0-4,9	8864,00	58,17
5,0-9,9	5170,00	33,93
10,0-14,9	970,00	6,37
15,0-19,9	177,00	1,16
20,0-24,9	36,00	0,24
25,0-29,9	8,00	0,05
30,0-35,0	14,00	0,09
>35,0	0,00	0,00

**Tool Configuration - Implement Control #2 (JHD00290)**

Description	Value	Unit
<b>Tool Program Name</b>	<b>TL1500 J450</b>	<b>Active</b>
Tool Program Tool Type	Bucket	
Tool Program MAC address	00:35:FF:0C:68:DE	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	900	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Boom Raise Priority Setting	6	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	

Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	kPa
Attachment Valve #1 Maximum Retract Pressure	0	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #3 Maximum Extend Pressure	0	kPa
Attachment Valve #3 Maximum Retract Pressure	0	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	18,40	%
Boom Assist Retract Lever Offset Calibration	-19,00	%
Assist Stick Extend Lever Offset Calibration	19,78	%
Assist Stick Retract Lever Offset Calibration	-13,64	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	19,54	%

Assist Bucket Retract Lever Offset Calibration	-17,19	%
Assist Swing Left Lever Offset Calibration	-18,01	%
Assist Swing Right Lever Offset Calibration	19,98	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	26,96	%
Boom Raise Assist Modulation Scale Factor	89,86	%
Boom Lower Assist Modulation Scale Factor	92,77	%
Stick In Boom Raise Assist Initial Delay Adjustment	200,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	114,02	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	86,90	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	108,98	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket Configuration	Bucket	
Bucket #1 Length G-H	500	mm
Bucket #1 Length G-J	1920	mm
Bucket #1 Length G-Q	1560	mm
Bucket #1 Length J-Q	1860	mm
Length J-Z	660	mm
Maximum Work Tool Width	1700	mm
Default Cutting Edge Bolts to Cutting Edge Length	335	mm
Cutting Edge Bolts to Cutting Edge Length	335	mm
Angle H-G-J	106,2	Deg
Angle G-J-J1	58,2	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	

Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>MTB</b>	
Tool Program Tool Type	Hammer	
Tool Program MAC address	B4:52:A9:CE:03:06	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Combined Flow	
Variable Relief Valve #1 Pressure	21000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Hammer Excessive Activation Warning Indicator Enable Status	Enabled	
Hammer Excessive Activation Auto Stop Enable Status	Enabled	
Tool Program Work Tool Mass	2660	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	

Tool Program Attachment Valve #1 Extend Maximum Flow Setting	130,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	One Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #2 Maximum Extend Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	2400	kPa
Attachment Valve #2 Open Time	0,20	sec
Attachment Valve #2 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%

Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket #1 Length G-H	0	mm
Bucket #1 Length G-J	0	mm
Bucket #1 Length G-Q	0	mm
Bucket #1 Length J-Q	0	mm
Maximum Work Tool Width	0	mm
Angle H-G-J	0,0	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	Momentary - Valve #1 Extend	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	No valve controlled	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	H160ES	
Tool Program Tool Type	Hammer	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Disabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Combined Flow	
Variable Relief Valve #1 Pressure	21000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Tool Program Display Enable Status	Enabled	
Hammer Excessive Activation Warning Indicator Enable Status	Enabled	
Hammer Excessive Activation Auto Stop Enable Status	Enabled	
Tool Program Work Tool Mass	3530	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	270,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	One Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa

Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #2 Maximum Extend Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	2400	kPa
Attachment Valve #2 Open Time	0,20	sec
Attachment Valve #2 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%

Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket #1 Length G-H	0	mm
Bucket #1 Length G-J	0	mm
Bucket #1 Length G-Q	0	mm
Bucket #1 Length J-Q	0	mm
Maximum Work Tool Width	0	mm
Angle H-G-J	0,0	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>B35</b>	
Tool Program Tool Type	Hammer	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Disabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #2	

Variable Relief Valve #1 Pressure	25000	kPa
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Tool Program Display Enable Status	Enabled	
Hammer Excessive Activation Warning Indicator Enable Status	Enabled	
Hammer Excessive Activation Auto Stop Enable Status	Enabled	
Tool Program Work Tool Mass	3074	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	200,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	One Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%

Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket #1 Length G-H	0	mm
Bucket #1 Length G-J	0	mm
Bucket #1 Length G-Q	0	mm
Bucket #1 Length J-Q	0	mm
Maximum Work Tool Width	0	mm
Angle H-G-J	0,0	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	

Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>CVP110</b>	
Tool Program Tool Type	Compactor	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Disabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #2	
Variable Relief Valve #1 Pressure	21000	kPa
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	1450	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	145,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min

Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	One Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%

Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>GLV 2450</b>	
Tool Program Tool Type	Tilt Bucket	
Tool Program MAC address	00:35:FF:0C:75:10	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #2	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	24000	kPa
Variable Relief Valve #2 Pressure	24000	kPa

Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	1160	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	40,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	40,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Attachment Valve #1 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec

Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	23,57	%
Boom Assist Retract Lever Offset Calibration	-19,31	%
Assist Stick Extend Lever Offset Calibration	20,09	%
Assist Stick Retract Lever Offset Calibration	-14,26	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	19,75	%
Assist Bucket Retract Lever Offset Calibration	-17,60	%
Assist Swing Left Lever Offset Calibration	-17,86	%
Assist Swing Right Lever Offset Calibration	16,19	%
Assist Tilt Left Lever Offset Calibration	-19,94	%
Assist Tilt Right Lever Offset Calibration	31,30	%
Boom Assist Extend Lever Offset #2 Calibration	25,94	%
Boom Raise Assist Modulation Scale Factor	70,31	%
Boom Lower Assist Modulation Scale Factor	69,61	%
Stick In Boom Raise Assist Initial Delay Adjustment	169,29	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	110,81	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	86,34	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	114,63	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket Configuration	Bucket	
Bucket #1 Length G-H	500	mm
Bucket #1 Length G-J	1853	mm
Bucket #1 Length G-Q	1800	mm

Bucket #1 Length J-Q	600	mm
Length J-Z	250	mm
Maximum Work Tool Width	2450	mm
Default Cutting Edge Bolts to Cutting Edge Length	270	mm
Cutting Edge Bolts to Cutting Edge Length	270	mm
Angle H-G-J	79,4	Deg
Angle G-J-J1	77,5	Deg
Angle G-K2-K	-20,7	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	No valve controlled	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>G325B</b>	
Tool Program Tool Type	Grapple	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Combined Flow	
Multi-Function with Combined Attachments Automatic Control Enable	Enabled	
Multi-Function with Combined Attachments Automatic Extend Operation	5	
Multi-Function with Combined Attachments Automatic Retract Operation	5	
Variable Relief Valve #1 Pressure	40000	kPa

Variable Relief Valve #2 Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Enabled	
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	2375	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	120,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	120,0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Attachment Valve #1 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Reverse	
Attachment Valve #2 Maximum Extend Pressure	2400	kPa
Attachment Valve #2 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	2400	kPa

Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #2	2400	kPa
Attachment Valve #2 Open Time	0,20	sec
Attachment Valve #2 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%

Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket #1 Length G-H	0	mm
Bucket #1 Length G-J	0	mm
Bucket #1 Length G-Q	0	mm
Bucket #1 Length J-Q	0	mm
Angle H-G-J	0,0	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>MP332/VT40</b>	
Tool Program Tool Type	Shear	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #2	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	32000	kPa
Variable Relief Valve #2 Pressure	32000	kPa

Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	459	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	240,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	240,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Attachment Valve #1 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Reverse	
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	

Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	

Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>P235</b>	
Tool Program Tool Type	Shear	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Combined Flow	
Multi-Function with Combined Attachments Automatic Control Enable	Enabled	
Multi-Function with Combined Attachments Automatic Extend Operation	5	
Multi-Function with Combined Attachments Automatic Retract Operation	5	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	3466	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	

Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	300,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	300,0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Attachment Valve #1 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Reverse	
Attachment Valve #2 Maximum Extend Pressure	2400	kPa
Attachment Valve #2 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #2	2400	kPa
Attachment Valve #2 Open Time	0,20	sec
Attachment Valve #2 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%

Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	

Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>S3070</b>	
Tool Program Tool Type	Shear	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Combined Flow	
Multi-Function with Combined Attachments Automatic Control Enable	Enabled	
Multi-Function with Combined Attachments Automatic Extend Operation	5	
Multi-Function with Combined Attachments Automatic Retract Operation	5	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	7193	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	

Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	530,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	530,0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Attachment Valve #1 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Reverse	
Attachment Valve #2 Maximum Extend Pressure	2400	kPa
Attachment Valve #2 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #2	2400	kPa
Attachment Valve #2 Open Time	0,20	sec
Attachment Valve #2 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%

Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	

Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>THUMB PRO</b>	
Tool Program Tool Type	Bucket Thumb	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #2	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	17000	kPa
Variable Relief Valve #2 Pressure	17000	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	1645	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	150,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	150,0	L/min

Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Attachment Valve #1 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Reverse	
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%

Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
Tool Program Name	CTV30	
Tool Program Tool Type	Clamshell	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	

Tool Program Pump Flow Control Mode	Combined Flow	
Multi-Function with Combined Attachments Automatic Control Enable	Enabled	
Multi-Function with Combined Attachments Automatic Extend Operation	5	
Multi-Function with Combined Attachments Automatic Retract Operation	5	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	2998	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	200,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	200,0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Attachment Valve #1 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa

Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #2 Maximum Extend Pressure	2400	kPa
Attachment Valve #2 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #2	2400	kPa
Attachment Valve #2 Open Time	0,20	sec
Attachment Valve #2 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%

Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket #1 Length G-J	0	mm
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
Tool Program Name	Magnet M16	
Tool Program Tool Type	Magnet	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	

Tool Program Pump Flow Control Mode	Pump #1	
Variable Relief Valve #1 Pressure	30000	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	2000	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	140,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	100	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	One Way	
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%

Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket #1 Length G-H	0	mm
Bucket #1 Length G-J	0	mm
Bucket #1 Length G-Q	0	mm
Bucket #1 Length J-Q	0	mm
Angle H-G-J	0,0	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	

Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	LOEFFL 1	
Tool Program Tool Type	Bucket	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	900	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	

Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	kPa
Attachment Valve #1 Maximum Retract Pressure	0	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #3 Maximum Extend Pressure	0	kPa
Attachment Valve #3 Maximum Retract Pressure	0	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,82	%
Boom Assist Retract Lever Offset Calibration	-18,79	%
Assist Stick Extend Lever Offset Calibration	20,22	%
Assist Stick Retract Lever Offset Calibration	-19,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	20,81	%
Assist Bucket Retract Lever Offset Calibration	-18,62	%
Assist Swing Left Lever Offset Calibration	-18,81	%

Assist Swing Right Lever Offset Calibration	21,00	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	29,97	%
Boom Raise Assist Modulation Scale Factor	84,86	%
Boom Lower Assist Modulation Scale Factor	97,01	%
Stick In Boom Raise Assist Initial Delay Adjustment	173,49	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	108,62	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	87,19	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	105,83	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket Configuration	Bucket	
Bucket #1 Length G-H	500	mm
Bucket #1 Length G-J	2070	mm
Bucket #1 Length G-Q	1740	mm
Bucket #1 Length J-Q	1710	mm
Length J-Z	1230	mm
Maximum Work Tool Width	1640	mm
Default Cutting Edge Bolts to Cutting Edge Length	800	mm
Cutting Edge Bolts to Cutting Edge Length	800	mm
Angle H-G-J	101,0	Deg
Angle G-J-J1	64,8	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	

Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>BUCKET</b>	
Tool Program Tool Type	Bucket	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	900	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0,0	L/min

Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	kPa
Attachment Valve #1 Maximum Retract Pressure	0	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #3 Maximum Extend Pressure	0	kPa
Attachment Valve #3 Maximum Retract Pressure	0	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%

Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket Configuration	Bucket	
Bucket #1 Length G-H	500	mm
Bucket #1 Length G-J	1000	mm
Bucket #1 Length G-Q	1000	mm
Bucket #1 Length J-Q	1000	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	69,4	Deg
Angle G-J-J1	77,1	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	

Right Joystick Switch #4 Control Mode	No valve controlled	
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Description	Value	Unit
<b>Tool Program Name</b>	<b>BUCKET</b>	
Tool Program Tool Type	Bucket	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	900	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	

Attachment Valve #1 Maximum Extend Pressure	0	kPa
Attachment Valve #1 Maximum Retract Pressure	0	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #3 Maximum Extend Pressure	0	kPa
Attachment Valve #3 Maximum Retract Pressure	0	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%

Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket Configuration	Bucket	
Bucket #1 Length G-H	0	mm
Bucket #1 Length G-J	0	mm
Bucket #1 Length G-Q	0	mm
Bucket #1 Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0,0	Deg
Angle G-J-J1	0,0	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
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<b>Tool Program Name</b>	<b>BUCKET</b>	
Tool Program Tool Type	Bucket	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	900	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	kPa
Attachment Valve #1 Maximum Retract Pressure	0	kPa

Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #3 Maximum Extend Pressure	0	kPa
Attachment Valve #3 Maximum Retract Pressure	0	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%

Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket Configuration	Bucket	
Bucket #1 Length G-H	0	mm
Bucket #1 Length G-J	0	mm
Bucket #1 Length G-Q	0	mm
Bucket #1 Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0,0	Deg
Angle G-J-J1	0,0	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program MAC address	00:00:00:00:00:00	

Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	900	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	kPa
Attachment Valve #1 Maximum Retract Pressure	0	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa

Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #3 Maximum Extend Pressure	0	kPa
Attachment Valve #3 Maximum Retract Pressure	0	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%

Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Bucket Configuration	Bucket	
Bucket #1 Length G-H	0	mm
Bucket #1 Length G-J	0	mm
Bucket #1 Length G-Q	0	mm
Bucket #1 Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0,0	Deg
Angle G-J-J1	0,0	Deg
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>2P1WAY</b>	
Tool Program Tool Type	Other	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Disabled	
Minimum Throttle Dial Position	1	

Tool Program Pump Flow Control Mode	Combined Flow	
Variable Relief Valve #1 Pressure	21000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	900	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	160,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	One Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #2 Maximum Extend Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	2400	kPa
Attachment Valve #2 Open Time	0,20	sec
Attachment Valve #2 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2400	kPa
Attachment Valve #3 Maximum Retract Pressure	2400	kPa

Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	

Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

Description	Value	Unit
<b>Tool Program Name</b>	<b>2P2WAY</b>	
Tool Program Tool Type	Other	
Tool Program MAC address	00:00:00:00:00:00	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Disabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Combined Flow	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Mass	900	kg
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	

Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	160,0	L/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	160,0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	2400	kPa
Attachment Valve #1 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	2400	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #2 Maximum Extend Pressure	2400	kPa
Attachment Valve #2 Maximum Retract Pressure	2400	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	2400	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #2	2400	kPa
Attachment Valve #2 Open Time	0,20	sec
Attachment Valve #2 Close Time	0,20	sec
Attachment Valve #3 Maximum Extend Pressure	2000	kPa
Attachment Valve #3 Maximum Retract Pressure	2000	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec

Attachment Valve #3 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	19,29	%
Boom Assist Retract Lever Offset Calibration	-20,33	%
Assist Stick Extend Lever Offset Calibration	20,62	%
Assist Stick Retract Lever Offset Calibration	-10,55	%
Assist Fore Boom Extend Lever Offset Calibration	-0,12	%
Assist Fore Boom Retract Lever Offset Calibration	-0,12	%
Assist Bucket Extend Lever Offset Calibration	22,51	%
Assist Bucket Retract Lever Offset Calibration	-20,80	%
Assist Swing Left Lever Offset Calibration	-21,26	%
Assist Swing Right Lever Offset Calibration	23,57	%
Assist Tilt Left Lever Offset Calibration	0,00	%
Assist Tilt Right Lever Offset Calibration	0,00	%
Boom Assist Extend Lever Offset #2 Calibration	31,14	%
Boom Raise Assist Modulation Scale Factor	100,00	%
Boom Lower Assist Modulation Scale Factor	100,00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100,00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100,00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100,00	%
Tool Program Grade Assist Response Gain Setting	5	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	

Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #3 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	No valve controlled	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #3 Control Mode	Toggled - Valve #1 Extend	
Right Joystick Switch #4 Control Mode	No valve controlled	

**Linkage Configuration - Implement Control #2 (JHD00290)**

From	To	Distance
No active Linkage Configuration components		

**Wireless Transceiver**

Parameter	Value
ECM Part Number	4620441-05
ECM Serial Number	0920B617NS
Software Group Part Number	5813903-00
Software Group Release Date	AUG19
Software Group Description	Bluetooth Transceiver

**Product Link Elite (JHD00290)**

Parameter	Value
Product ID	JHD00290
Machine Serial Number	
Equipment ID	
ECM Part Number	4946472-07
ECM Serial Number	180718009027000M
Software Group Part Number	6678887-00
Software Group Release Date	JUN2025
Software Group Description	VIMS_TELEMATICS_2025_06_09
Application Software Part Number	6499166-00
Cellular Device ECM Serial Number	3010S692YN
Cellular Device ECM Hardware Part Number	5555510-05
Cellular Radio Module Software Part Number	6499617-00
Satellite Device ECM Serial Number	NA
Satellite Device ECM Hardware Part Number	NA
Satellite Radio Module Software Part Number	NA
Wi-Fi Radio Hardware Serial Number	NA
Wi-Fi Radio Hardware Part Number	NA
Wi-Fi Radio Software Part Number	NA

**Logged Diagnostic Codes [Total Operating Hours = 5100 hours] - Product Link Elite (JHD00290)**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

**Logged Event Codes [Total Operating Hours = 5100 hours] - Product Link Elite (JHD00290)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Product Link Elite (JHD00290)**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Product Link Elite (JHD00290)**

Code	Description
No Active Event Codes	

**Current Totals - Product Link Elite (JHD00290)**

Description	Value	Unit
Total Operating Hours	5100,9	hours
Total Distance	10,70	km

**Configuration - Product Link Elite (JHD00290)**

Description	Value	Unit
Product ID	JHD00290	
Equipment ID		
CAT Data Link Module Identifier Configuration	Gateway #1	
Machine Serial Number		
Maintenance Mode	Off	
Security System Tamper Resistant Configuration	Not Installed	
External Service Lamp Installation Configuration	Installed	
External Service Lamp Display Mode Setting	No Snapshot Notice	
GPS Surge Suppression Antenna Installation Status	Not Installed	
Cellular Surge Suppression Antenna Installation Status	Not Installed	
Telemetry Feature Installation Status	Not Installed	
Telemetry Feature Enable Status	Disabled	
Tire Monitoring System Installation Status	Unavailable	
Telematics Enhanced Data Connector Installation Status	Not Installed	

Telematics Enhanced Data Connector Enable Status	Disabled	
Telematics Enhanced Data Connector Temporary Installation Status	Not Installed	
Telematics Enhanced Data Connector Temporary Installation Time Remaining	43200	min

**Monitor System**

Parameter	Value
ECM Part Number	4905874-04
Software Group Part Number	6227992-00
Software Group Release Date	Feb2022
Software Group Description	HEX MONITOR

**Logged Diagnostic Codes - Monitor System**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

**Logged Event Codes - Monitor System**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Monitor System**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Monitor System**

Code	Description
No Active Event Codes	

**System Communication Status - Active Problems - Monitor System**

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

**System Communication Status - Inactive Problems - Monitor System**

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			