

Cat Electronic Technician 2025C v1.0

Product Status Report

25.02.2026 11:11

Product Status Report

Parameter	Value
Product ID	LTT00370
Equipment ID	LTT00370
Comments	

Machine Control 963 (LTT00370)

Parameter	Value
Product ID	LTT00370
Build Number	12A
Vehicle ID	CAT00963TLTT00370
Equipment ID	LTT00370
ECM Part Number	4916843-06
ECM Serial Number	20120800212P000H
Software Group Part Number	6568680-00
Software Group Release Date	JUL2024
Software Group Description	TTL 963

Logged Diagnostic Codes [Diagnostic Clock = 6077 hours] - Machine Control 963 (LTT00370)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 6077 hours] - Machine Control 963 (LTT00370)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Machine Control 963 (LTT00370)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Machine Control 963 (LTT00370)

Code	Description
No Active Events	

System Communication Status - Active Problems - Machine Control 963 (LTT00370)

ECMs	Detected Problem	Data Link	Diagnostic Information
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System Communication Status - Inactive Problems - Machine Control 963 (LTT00370)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Machine Control 963 (LTT00370) - Device 2: Engine Control Module #1	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #1	Diagnostic Code: 247-9 - Service Hour Meter: 6075:27:17 -

Current Totals - Machine Control 963 (LTT00370)

Description	Value	Unit
Total Distance	19106,60	km
Total Forward Distance	10152,50	km
Total Reverse Distance	8954,00	km
Total Operating Hours	6078	hours

Configuration - Machine Control 963 (LTT00370)

Description	Value	Unit
Product ID	LTT00370	
Equipment ID	LTT00370	
Low System Battery Voltage Elevated Idle	Enabled	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Automatic Engine Speed Control (AESC) Enable Status	Enabled	
Automatic Engine Speed Control (AESC) Delay Time	5,0	sec
Lighting Shutdown Timer Duration	5	min
Operator Seat Belt Beacon ON Configuration	Seat Belt Engaged	
Operator Seat Belt Audible Alarm Snooze Enable Status	Enabled	
Operator Seat Belt Unfastened While Machine is Not Idle Event Enable Status	Enabled	
Machine Application Configuration	Standard	
Machine Steering Configuration	Joystick Steering	
Maximum Forward Ground Speed	10,0	km/h
Default Gear Ratio	0,500	
Parking Brake Lockout Configuration	Not Locked Out	
Machine Response Rate Setting	Low	
Steering Response Rate Setting	Low	
Steering Modulation Setting	Low	
Machine Steering Pattern Configuration	S-Pattern	
Steering Assist Enable Status	Enabled	
Transmission Drive Pump Pressure Override Calibration Value	43311	kPa
Advanced Machine Security System Installation Status	Not Installed	

Operator Management Passcode Enabled Status	Disabled	
Operator Management Bluetooth Device Enabled Status	Disabled	

Additional Information - Machine Control 963 (LTT00370)

Description	Value	Unit
Left Drive Pump Forward Control Solenoid Start Current Command	0,459	Amps
Right Drive Pump Forward Control Solenoid Maximum Current	1,504	Amps
Right Drive Pump Forward Control Solenoid Start Current Command	0,459	Amps
Left Drive Pump Reverse Control Solenoid Maximum Current	1,492	Amps
Left Drive Pump Reverse Control Solenoid Start Current Command	0,447	Amps
Right Drive Pump Reverse Control Solenoid Maximum Current	1,508	Amps
Left Drive Pump Forward Control Solenoid Maximum Current	1,524	Amps
Right Drive Pump Reverse Control Solenoid Start Current Command	0,447	Amps
Left Motor Solenoid Maximum Current	1,152	Amps
Left Drive Motor Solenoid Start Current Command	0,512	Amps
Right Motor Solenoid Maximum Current	1,132	Amps
Right Drive Motor Solenoid Start Current Command	0,496	Amps

Calibration Status - Machine Control 963 (LTT00370)

Calibration	Status	Last Successful Completion
Transmission Drive Pump Pressure Override Calibration	Success	Unknown
Reverse Pump Solenoid Calibration	Success	Unknown
Forward Pump and Motor Solenoid Calibration	Success	Unknown
Service Brake Pedal Calibration	Success	Unknown
Left Control Lever	Success	Unknown

Throttle Dial Position vs Time - Machine Control 963 (LTT00370)

Throttle Switch Position	1	2	3	4	5	6	Total
Hydraulic Power Mode							
Automatic	139,00	5,85	11,30	12,00	21,25	1395,00	1584,40
Economy	213,05	11,60	9,80	17,75	89,60	3582,60	3924,40
Power	82,55	2,90	4,95	5,90	8,35	314,20	418,85
Total	434,60	20,35	26,05	35,65	119,20	5291,80	5927,65

Lifetime:Accumulated Time vs Hydraulic Oil Temperature - Machine Control 963 (LTT00370)

Hydraulic Oil Temperature(Deg C)	hours	%
<0,0	0,00	0,00
0,0-4,9	0,05	0,87
5,0-9,9	0,00	0,00
10,0-14,9	0,30	5,22
15,0-19,9	3,55	61,74
20,0-24,9	1,45	25,22
25,0-29,9	0,25	4,35
30,0-34,9	0,15	2,61
35,0-39,9	0,00	0,00
40,0-44,9	0,00	0,00
45,0-49,9	0,00	0,00
50,0-54,9	0,00	0,00
55,0-59,9	0,00	0,00
60,0-64,9	0,00	0,00
65,0-69,9	0,00	0,00
70,0-74,9	0,00	0,00
75,0-79,9	0,00	0,00
80,0-84,9	0,00	0,00
85,0-90,0	0,00	0,00
>90,0	0,00	0,00

Port Statistics Snapshot - Machine Control 963 (LTT00370)

J3A:1 J3A:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	30344
Number of Received Octets	11030
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J3B:1 J3B:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	1824
Number of Received Octets	22826

Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

Primary Display TTL (LTT00370)

Parameter	Value
Product ID	LTT00370
Build Number	12A
Equipment ID	LTT00370
ECM Part Number	4905874-04
ECM Serial Number	180921009034000L
Software Group Part Number	6463808-00
Software Group Release Date	MAR2024
Software Group Description	TTL 963

Logged Diagnostic Codes [Diagnostic Clock = 6077 hours] - Primary Display TTL (LTT00370)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 6077 hours] - Primary Display TTL (LTT00370)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Primary Display TTL (LTT00370)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Primary Display TTL (LTT00370)

Code	Description
No Active Events	

System Communication Status - Active Problems - Primary Display TTL (LTT00370)

ECMs	Detected Problem	Data Link	Diagnostic Information

System Communication Status - Inactive Problems - Primary Display TTL (LTT00370)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Primary Display TTL (LTT00370) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 6075:09:17 -

Configuration - Primary Display TTL (LTT00370)

Description	Value	Unit

Equipment ID	LTT00370	
Camera #3 Location	Rear	
Rear Camera Serial Number Suffix	0015	
Camera Self Configuration Activation Command Status	Unavailable	
Information Units Status	Metric	
Service Mode Enable Code	1925	
Display Language Status	German	

Port Statistics Snapshot - Primary Display TTL (LTT00370)

W:34 W:35

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:18 W:19

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:14 W:15

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	56352
Number of Received Octets	2374100490
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up

Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:11 W:12

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:1 W:2 W:3 W:4

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Network Bandwidth	10 Mbit/s
Number of Transmitted Octets	322161
Number of Received Octets	263096
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:6 W:7 W:8 W:9

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	52110
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

C7.1 963 (J7A12150)

Parameter	Value
Equipment ID	LTT00370
Engine Serial Number	J7A12150

ECM Part Number	5210791-04
ECM Serial Number	20120200408D001M
Software Group Part Number	6559621-00
Software Group Release Date	NOV24
Software Group Description	TTL 963
Calibration Identification Number	AN462_06
Operator Inducement Regulation Configuration	Worldwide

Logged Diagnostic Codes [Diagnostic Clock = 6077 hours] - C7.1 963 (J7A12150)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 6077 hours] - C7.1 963 (J7A12150)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - C7.1 963 (J7A12150)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - C7.1 963 (J7A12150)

Code	Description
No Active Events	

System Communication Status - Active Problems - C7.1 963 (J7A12150)

ECMs	Detected Problem	Data Link	Diagnostic Information
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System Communication Status - Inactive Problems - C7.1 963 (J7A12150)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: C7.1 963 (J7A12150)	Device #1 is unable to communicate on the data link.	J1939 #1	Diagnostic Code: 247-9 - Service Hour Meter: 6075:27:17 -
Device 1: C7.1 963 (J7A12150) - Device 2: Aftertreatment #1 DEF Sensor	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #3	Diagnostic Code: 5856-9 - Service Hour Meter: 6073:40:11 -
Device 1: C7.1 963 (J7A12150) - Device 2: Aftertreatment #1 DEF Sensor	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #3	Diagnostic Code: 5856-9 - Service Hour Meter: 6073:55:58 -

Current Totals - C7.1 963 (J7A12150)

Description	Value	Unit
Total Idle Time	1963:39	hours
Total Fuel	112258	L
Total Engine #1 Fuel	112094	L

Total ARD Fuel	165,000	L
Total Idle Fuel	8309	L
Total Max Fuel	269922	L
Aftertreatment #1 Total DEF Used	2669,3	L
Engine Lifetime Hours	5918,1	hours
Average Load Factor	39	%
Engine Starts	2890	
Lifetime Total Engine Revolutions	522804264	rev
Total Operating Hours	6078	hours
Operator Inducement Emergency Override Total Activations	0	
Operator Inducement Emergency Override Total Resets	0	
Total Engine Idle Shutdown Count	0	
Total Engine Idle Shutdown Overrides Count	0	
Total Delayed Engine Shutdown Count	212	
Total Delayed Engine Shutdown Overrides Count	0	
Starts/Hour	0,49	
Average RPM	1472,34	rpm
Percentage Idle Time	33,17	%
Average Fuel Rate	18,97	L/h
Overall Load Factor	41	%
Fuel Rail Pressure Relief Valve Open Occurrences	0	

Configuration - C7.1 963 (J7A12150)

Description	Value	Unit
Equipment ID	LTT00370	
Engine Serial Number	J7A12150	
ECM Serial Number	20120200408D001M	
Software Group Part Number	6559621-00	
Software Group Release Date	NOV24	
Software Group Description	TTL 963	
Low Idle Speed	800	rpm
High Idle Speed	2200	rpm
Ether Solenoid Configuration	Not Installed	
Glow Plug Start Aid Installation Status	Installed	
Engine Idle Shutdown Enable Status	Disabled	
Engine Idle Shutdown Delay Time	5,0	min
Delayed Engine Shutdown Enable Status	Enabled	
Delayed Engine Shutdown Maximum Time	5,0	min
Engine Fan Reversing Feature	Enabled	
Engine Fan Purge Cycle Interval	7200	sec

Engine Fan Purge Cycle Duration	5,0	sec
Factory Installed Aftertreatment #1 Identification Number	FBH290634B	
DPF #1 Soot Loading Sensing System Configuration Code	JD	
Operator Inducement Progress Configuration	Reduced Performance	
Operator Inducement Regulation Configuration	Worldwide	
Operator Inducement Emergency Override Enable Status	Disabled	
Operator Inducement Emergency Override Activation	Not Activated	
Operator Final Inducement Action	Shutdown	
FLS	29	
FTS	-44	
Engineering Measurement and Calibration Protocol (CCP/XCP) Security	Seed and Key Access for Read/Write	
Total Tattletale	330	

Additional Information - C7.1 963 (J7A12150)

Description	Value	Unit
Total EGR Valve Cycles	2671246	
Total EGR Valve Travel	1754887	mm
EGR Valve Maximum Position Calibration Value	1,3879	Ratio
EGR Valve Minimum Position Calibration Value	0,2175	Ratio
Total Engine Exhaust Back Pressure Regulator Cycles	75	
Total Engine Exhaust Back Pressure Regulator Rotation	2110	Deg
Engine Exhaust Back Pressure Regulator Maximum Position Calibration Value	0,8603	Ratio
Engine Exhaust Back Pressure Regulator Minimum Position Calibration Value	0,1376	Ratio

Lifetime:Accumulated Time vs Atmospheric Pressure - C7.1 963 (J7A12150)

Atmospheric Pressure(kPa)	hours	%
<55,00	0,30	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
75,00-79,99	0,00	0,00
80,00-84,99	667,80	11,07
85,00-89,99	112,25	1,86
90,00-94,99	0,15	0,00
95,00-99,99	4309,85	71,47
100,00-104,99	940,10	15,59
105,00-109,99	0,00	0,00

110,00-115,00	0,00	0,00
>115,00	0,00	0,00

Lifetime:Accumulated Time vs Engine Coolant Temperature - C7.1 963 (J7A12150)

Engine Coolant Temperature(Deg C)	hours	%
<40,00	47,50	0,79
40,00-49,99	31,35	0,52
50,00-59,99	43,30	0,72
60,00-69,99	77,60	1,29
70,00-79,99	1661,40	27,55
80,00-89,99	2664,45	44,18
90,00-99,99	1464,95	24,29
100,00-109,99	39,80	0,66
110,00-119,99	0,10	0,00
120,00-129,99	0,00	0,00
130,00-140,00	0,00	0,00
>140,00	0,00	0,00

Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C7.1 963 (J7A12150)

Engine Speed(rpm)	Count	%
<2600,0	96	57,49
2600,0-2699,9	44	26,35
2700,0-2799,9	16	9,58
2800,0-2899,9	8	4,79
2900,0-2999,9	3	1,80
3000,0-3099,9	0	0,00
3100,0-3199,9	0	0,00
3200,0-3299,9	0	0,00
3300,0-3400,0	0	0,00
>3400,0	0	0,00

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 963 (J7A12150)

rpm	<800,0	800,0-899,9	900,0-999,9	1000,0-1099,9	1100,0-1199,9	1200,0-1299,9	1300,0-1399,9	1400,0-1499,9	1500,0-1599,9
%									
<10,0	63,95	83,90	291,90	342,65	126,50	144,90	5,00	86,25	212,65
10,0-19,9	244,75	264,75	42,40	38,65	7,75	8,15	1,20	94,85	174,00
20,0-29,9	1,70	1,75	0,25	0,15	1,00	0,80	1,10	71,20	137,00
30,0-39,9	0,25	0,20	0,05	0,05	0,25	0,20	3,55	73,75	136,50
40,0-49,9	0,20	0,10	0,05	0,10	0,30	1,10	7,00	63,70	112,95
50,0-59,9	0,05	0,05	0,25	1,25	1,55	3,05	9,65	55,45	93,15
60,0-69,9	0,10	0,05	0,30	0,70	0,95	4,80	14,00	49,85	79,90

70,0-79,9	0,25	0,05	0,05	0,20	1,25	4,50	13,15	43,45	68,25
80,0-90,0	0,20	0,00	0,05	0,15	0,60	1,90	7,50	31,60	49,65
>90,0	0,00	0,00	0,05	0,25	0,90	3,00	15,90	99,30	270,75
Total	311,45	350,85	335,35	384,15	141,05	172,40	78,05	669,40	1334,80

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 963 (J7A12150)

rpm	1600,0-1699,9	1700,0-1799,9	1800,0-1899,9	1900,0-1999,9	2000,0-2099,9	2100,0-2199,9	2200,0-2299,9	2300,0-2399,9	2400,0-2499,9
%									
<10,0	118,40	51,45	39,80	8,85	2,25	1,00	0,50	0,20	0,10
10,0-19,9	87,45	52,45	44,95	3,05	0,25	0,00	0,00	0,00	0,00
20,0-29,9	77,00	39,70	24,10	3,85	0,30	0,00	0,00	0,00	0,00
30,0-39,9	84,85	48,45	27,80	4,60	0,30	0,00	0,00	0,00	0,00
40,0-49,9	85,20	58,35	32,15	5,55	0,35	0,00	0,00	0,00	0,00
50,0-59,9	78,50	63,30	34,95	6,30	0,40	0,00	0,00	0,00	0,00
60,0-69,9	72,25	65,40	36,35	6,30	0,40	0,05	0,00	0,00	0,00
70,0-79,9	67,80	65,90	37,75	6,25	0,35	0,05	0,00	0,00	0,00
80,0-90,0	68,65	71,30	43,85	5,50	0,25	0,05	0,00	0,00	0,00
>90,0	318,25	235,10	57,40	6,35	0,40	0,15	0,00	0,00	0,00
Total	1058,35	751,40	379,10	56,60	5,25	1,30	0,50	0,20	0,10

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 963 (J7A12150)

rpm	2500,0-2599,9	2600,0-2699,9	2700,0-2799,9	2800,0-2899,9	2900,0-3000,0	>3000,0	Total
%							
<10,0	0,05	0,00	0,00	0,00	0,00	0,00	1580,30
10,0-19,9	0,00	0,00	0,00	0,00	0,00	0,00	1064,65
20,0-29,9	0,00	0,00	0,00	0,00	0,00	0,00	359,90
30,0-39,9	0,00	0,00	0,00	0,00	0,00	0,00	380,80
40,0-49,9	0,00	0,00	0,00	0,00	0,00	0,00	367,10
50,0-59,9	0,00	0,00	0,00	0,00	0,00	0,00	347,90
60,0-69,9	0,00	0,00	0,00	0,00	0,00	0,00	331,40
70,0-79,9	0,00	0,00	0,00	0,00	0,00	0,00	309,25
80,0-90,0	0,00	0,00	0,00	0,00	0,00	0,00	281,25
>90,0	0,00	0,00	0,00	0,00	0,00	0,00	1007,80
Total	0,05	0,00	0,00	0,00	0,00	0,00	6030,35

Lifetime:Accumulated Time vs Intake Manifold Air Temperature - C7.1 963 (J7A12150)

Intake Manifold Air	hours	%
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Temperature(Deg C)		
<20,00	280,75	4,66
20,00-29,99	516,75	8,57
30,00-39,99	874,10	14,49
40,00-49,99	1380,10	22,89
50,00-59,99	2353,10	39,02
60,00-69,99	601,45	9,97
70,00-79,99	23,90	0,40
80,00-89,99	0,25	0,00
90,00-99,99	0,05	0,00
100,00-109,99	0,00	0,00
110,00-119,99	0,00	0,00
120,00-129,99	0,00	0,00
130,00-139,99	0,00	0,00
140,00-149,99	0,00	0,00
150,00-159,99	0,00	0,00
160,00-169,99	0,00	0,00
170,00-179,99	0,00	0,00
180,00-189,99	0,00	0,00
190,00-199,99	0,00	0,00
200,00-209,99	0,00	0,00
210,00-219,99	0,00	0,00
220,00-229,99	0,00	0,00
230,00-240,00	0,00	0,00
>240,00	0,00	0,00

Lifetime:Accumulated Time vs Air Inlet Temperature - C7.1 963 (J7A12150)

Air Inlet Temperature(Deg C)	hours	%
<(-20,00)	0,30	0,00
(-20,00)-(-15,01)	0,00	0,00
(-15,00)-(-10,01)	0,00	0,00
(-10,00)-(-5,01)	3,15	0,05
(-5,00)-(-0,01)	28,05	0,47
0,00-4,99	208,55	3,46
5,00-9,99	715,10	11,86
10,00-14,99	1092,65	18,12
15,00-19,99	1113,05	18,46
20,00-24,99	829,35	13,75
25,00-29,99	814,20	13,50
30,00-34,99	751,70	12,47
35,00-39,99	402,20	6,67
40,00-44,99	66,40	1,10
45,00-49,99	5,35	0,09
50,00-54,99	0,40	0,01
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 Calculated Ambient Air Temperature And Aftertreatment #1 DEF Tank Temperature - C7.1 963 (J7A12150)

Deg C	<(-8,00)	(-8,00)-(-0,01)	0,00-9,99	10,00-19,99	20,00-29,99	30,00-40,00	>40,00	Total
Deg C								
<(-8,00)	0,15	0,00	0,00	0,00	0,00	0,00	0,00	0,15
(-8,00)-(-0,01)	0,00	0,00	0,05	0,00	0,00	0,00	0,00	0,05
0,00-9,99	0,00	0,60	5,85	6,70	4,60	1,80	0,05	19,60
10,00-19,99	0,00	20,25	107,55	52,70	1,35	0,00	0,00	181,85
20,00-29,99	1,20	47,95	731,60	956,70	294,00	5,30	0,00	2036,75
30,00-39,99	1,75	3,40	109,45	110,25	931,75	220,45	0,00	1377,05
40,00-49,99	0,00	0,00	0,05	0,45	7,55	94,90	0,00	102,95
50,00-59,99	0,00	0,00	0,00	0,00	0,15	0,00	0,00	0,15
60,00-69,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
70,00-75,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
>75,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	3,10	72,20	954,55	1126,80	1239,40	322,45	0,05	3718,55

Monitoring System - C7.1 963 (J7A12150)

High Fuel/Water Separator Water Level

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

Description	Value	Delay Time
Activation Thresholds		
Water In Fuel Indicator		15 sec

Action	Parameter	Value
Warn Operator		

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

Description	Value	Delay Time
Activation Thresholds		
Water In Fuel Indicator		1800 sec

Action	Parameter		Value
Engine Derate			

Low Engine Oil Pressure

360-1 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		15 sec		
Activation Thresholds				
Engine Oil Pressure				720 kPa-sec

Action	Parameter		Value
Warn Operator			

360-2 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		15 sec		
Activation Thresholds				
Engine Oil Pressure				360 kPa-sec

Action	Parameter		Value
Engine Derate			

360-3 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		15 sec		
Activation Thresholds				
Engine Oil Pressure				360 kPa-sec

Action	Parameter		Value
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High Engine Coolant Temperature

361-1 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		185 sec		

Activation Thresholds			
Engine Coolant Temperature		109 Deg C	10 sec
Deactivation Conditions			
Hysteresis		2 Deg C	4 sec

Action	Parameter		Value
Warn Operator			

361-2 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		185 sec		
Activation Thresholds				
Engine Coolant Temperature		111 Deg C		10 sec
Deactivation Conditions				
Hysteresis		2 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		185 sec		
Activation Thresholds				
Engine Coolant Temperature		114 Deg C		10 sec
Deactivation Conditions				
Hysteresis		2 Deg C		20 sec
Latched		No		

Action	Parameter		Value
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Engine Overspeed

362-1 Engine Overspeed (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		

Activation Thresholds			
Engine Speed		3000 rpm	0,6 sec
Deactivation Conditions			
Hysteresis		200 rpm	0,6 sec

Action	Parameter		Value
Warn Operator			

362-3 Engine Overspeed (Off)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Engine Speed		3000 rpm		1,0 sec
Deactivation Conditions				
Hysteresis		0 rpm		0,1 sec
Latched		Yes		

Action	Parameter		Value
Engine Shutdown			

High Intake Manifold Air Temperature

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

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Intake Manifold Air Temperature		123 Deg C		8 sec
Deactivation Conditions				
Hysteresis		1 Deg C		4 sec

Action	Parameter		Value
Warn Operator			

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

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				

Intake Manifold Air Temperature		125 Deg C		8 sec
Deactivation Conditions				
Hysteresis		1 Deg C		20 sec

Action	Parameter		Value
Engine Derate			

539-3 High Intake Manifold Air Temperature (Off)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Intake Manifold Air Temperature		125 Deg C		8 sec
Deactivation Conditions				
Hysteresis		1 Deg C		20 sec
Latched		No		

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 (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			

High Hydraulic Oil Temperature

878-2 High Hydraulic Oil Temperature (On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Hydraulic Oil Temperature		83 Deg C		8 sec

Action	Parameter		Value
Engine Derate			

878-3 High Hydraulic Oil Temperature (On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Hydraulic Oil Temperature		87 Deg C		8 sec

Action	Parameter		Value
Engine Derate			

High EGR Temperature

1092-1 High EGR Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
EGR Temperature		178 Deg C		8 sec

Deactivation Conditions				
Hysteresis		1 Deg C		4 sec

Action	Parameter	Value
Warn Operator		

1092-2 High EGR Temperature (Always On)

Description	Value	Delay Time
Enable Conditions		
Engine Run Time	180 sec	
Activation Thresholds		
EGR Temperature	180 Deg C	8 sec
Deactivation Conditions		
Hysteresis	1 Deg C	4 sec

Action	Parameter	Value
Engine Derate		

Injector Codes Calibration - C7.1 963 (J7A12150)

Injector	Code
Injector 1	73051A0A140513090C15180000FF5A
Injector 2	7303151114EFD2140902EC0000FF49
Injector 3	73091F0D0BEBD7111101E70000FFDA
Injector 4	73051E070DE6CC0F0CFEEC0000FF0F
Injector 5	730F1B1F18F4F41B160BFF0000FFCA
Injector 6	73030EFBFAEFD905F6F0DE0000FF45

Aftertreatment Abnormal Shutdown History - C7.1 963 (J7A12150)

Engine Shutdown Type	Engine Shutdown Service Hours	Temperature Threshold	Ambient Air Temperature	Aftertreatment #1 DEF Tank Temperature	Aftertreatment #1 SCR Catalyst Intake Gas Temperature
Hot Shutdown (Above SCR Intake Temperature Threshold)	6077,52 hours	370,0 Deg C	7,5 Deg C	20,0 Deg C	469,5 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	5878,05 hours	370,0 Deg C	27,8 Deg C	29,0 Deg C	427,2 Deg C

Hot Shutdown (Above SCR Intake Temperature Threshold)	5552,41 hours	370,0 Deg C	7,3 Deg C	27,0 Deg C	465,9 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	5479,95 hours	370,0 Deg C	7,0 Deg C	33,0 Deg C	271,3 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	4337,26 hours	370,0 Deg C	32,5 Deg C	38,0 Deg C	406,3 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	4177,49 hours	370,0 Deg C	30,6 Deg C	37,0 Deg C	223,1 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	4176,70 hours	370,0 Deg C	30,4 Deg C	37,0 Deg C	468,5 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	2158,25 hours	370,0 Deg C	28,1 Deg C	39,0 Deg C	159,3 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	2156,84 hours	370,0 Deg C	30,2 Deg C	41,0 Deg C	454,9 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	1826,17 hours	370,0 Deg C	14,4 Deg C	26,0 Deg C	372,8 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	1826,15 hours	370,0 Deg C	11,3 Deg C	25,0 Deg C	464,6 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	1497,23 hours	370,0 Deg C	6,3 Deg C	25,0 Deg C	160,3 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	1496,50 hours	370,0 Deg C	9,1 Deg C	23,0 Deg C	481,5 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	1418,84 hours	370,0 Deg C	3,8 Deg C	23,0 Deg C	121,3 Deg C

Hot Shutdown (Above SCR Intake Temperature Threshold)	1413,64 hours	370,0 Deg C	7,8 Deg C	23,0 Deg C	455,0 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	1332,03 hours	370,0 Deg C	1,1 Deg C	28,0 Deg C	124,6 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	1330,43 hours	370,0 Deg C	3,5 Deg C	32,0 Deg C	462,8 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	751,26 hours	370,0 Deg C	3,9 Deg C	22,0 Deg C	438,1 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	338,76 hours	370,0 Deg C	8,5 Deg C	23,0 Deg C	269,2 Deg C
Hot Shutdown (Above SCR Intake Temperature Threshold)	337,08 hours	370,0 Deg C	8,5 Deg C	22,0 Deg C	428,8 Deg C

Low Temperature Aftertreatment Regeneration History - C7.1 963 (J7A12150)

Regeneration Trigger Service Hours	Aftertreatment Regeneration Trigger Percent Soot	Regeneration Interval End Service Hours	Aftertreatment Regeneration End Percent Soot	Aftertreatment Regeneration End Status	Exhaust Back Pressure Regulator Enabled Duration	Average Air Intake Temperature	Average DPF #1 Intake Temperature	DPF #1 Intake Temperature Deviation
6074,09 hours	29 %	6074,09 hours	29 %	Regeneration Completed	0 sec	4 Deg C	268 Deg C	0 Deg C
6068,32 hours	25 %	6068,32 hours	25 %	Regeneration Completed	0 sec	33 Deg C	213 Deg C	0 Deg C
3051,00 hours	23 %	3051,00 hours	23 %	Regeneration Completed	0 sec	14 Deg C	144 Deg C	0 Deg C

Average Engine Speed	Engine Speed Deviation	Average Engine Load	Engine Load Deviation
1800 rpm	1 rpm	20 %	0 %

1799 rpm	0 rpm	15 %	0 %
800 rpm	0 rpm	15 %	0 %

Hydrocarbon Dosing History - C7.1 963 (J7A12150)

Regeneration Trigger Service Hours	Aftertreatment Regeneration Trigger Type	Aftertreatment Regeneration Trigger Percent Soot	Aftertreatment Regeneration Urgency Level	Regeneration Completion Service Hours	Aftertreatment Regeneration End Status	Aftertreatment Regeneration End Percent Soot	Average Air Intake Temperature	Average Diesel Oxidation Catalyst Intake Temperature Margin
5229,61 hours	SCR Maintenance	23 %	Low	5230,34 hours	Regeneration Completed	20 %	8 Deg C	18 Deg C
5310,44 hours	SCR Maintenance	23 %	Low	5310,78 hours	Regeneration Completed	24 %	15 Deg C	40 Deg C
5390,91 hours	SCR Maintenance	29 %	Low	5391,41 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	23 %	6 Deg C	8 Deg C
5391,50 hours	SCR Maintenance	22 %	Low	5391,72 hours	Regeneration Completed	20 %	6 Deg C	36 Deg C
5471,69 hours	SCR Maintenance	26 %	Low	5471,97 hours	Ignition Key Switch	24 %	16 Deg C	62 Deg C
5551,93 hours	SCR Maintenance	26 %	Low	5552,39 hours	Regeneration Completed	24 %	13 Deg C	32 Deg C
5633,64 hours	SCR Maintenance	26 %	Low	5633,92 hours	Regeneration Completed	23 %	14 Deg C	64 Deg C
5716,26 hours	SCR Maintenance	28 %	Low	5716,61 hours	Regeneration Completed	24 %	21 Deg C	54 Deg C
5796,80 hours	SCR Maintenance	25 %	Low	5797,10 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	25 %	29 Deg C	38 Deg C

5797,18 hours	SCR Maintenance	24 %	Low	5797,34 hours	Regeneration Completed	22 %	31 Deg C	58 Deg C
5877,69 hours	SCR Maintenance	20 %	Low	5878,01 hours	System Fault	21 %	32 Deg C	52 Deg C
5879,83 hours	SCR Maintenance	20 %	Low	5879,93 hours	Regeneration Completed	20 %	37 Deg C	68 Deg C
5961,78 hours	SCR Maintenance	22 %	Low	5961,79 hours	System Fault	22 %	32 Deg C	-58 Deg C
5963,62 hours	SCR Maintenance	24 %	Low	5963,69 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	24 %	24 Deg C	2 Deg C
5963,78 hours	SCR Maintenance	25 %	Low	5964,07 hours	Regeneration Completed	22 %	27 Deg C	60 Deg C
6044,19 hours	SCR Maintenance	26 %	Low	6044,30 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	27 %	37 Deg C	20 Deg C
6044,39 hours	SCR Maintenance	27 %	Low	6044,55 hours	System Fault	24 %	41 Deg C	-56 Deg C
6046,03 hours	SCR Maintenance	18 %	Low	6046,17 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	20 %	23 Deg C	24 Deg C
6046,25 hours	SCR Maintenance	21 %	Low	6046,50 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	19 %	24 Deg C	-92 Deg C
6048,50 hours	SCR Maintenance	18 %	Low	6048,51 hours	System Fault	18 %	28 Deg C	-34 Deg C

6052,78 hours	SCR Maintenance	22 %	Low	6052,90 hours	System Fault	23 %	23 Deg C	16 Deg C
6059,23 hours	SCR Maintenance	19 %	Low	6059,26 hours	System Fault	19 %	41 Deg C	-22 Deg C
6061,85 hours	SCR Maintenance	20 %	Low	6061,94 hours	System Fault	21 %	33 Deg C	-20 Deg C
6064,91 hours	SCR Maintenance	22 %	Medium	6064,95 hours	System Fault	22 %	21 Deg C	-50 Deg C
6065,66 hours	SCR Maintenance	23 %	Medium	6065,70 hours	Ignition Key Switch	22 %	22 Deg C	-64 Deg C
6067,00 hours	SCR Maintenance	23 %	Medium	6067,03 hours	System Fault	23 %	18 Deg C	-44 Deg C
6067,87 hours	SCR Maintenance	23 %	Medium	6067,88 hours	System Fault	23 %	31 Deg C	-72 Deg C
6068,33 hours	SCR Maintenance	25 %	Medium	6068,36 hours	System Fault	25 %	34 Deg C	-40 Deg C
6069,03 hours	SCR Maintenance	26 %	Medium	6069,05 hours	System Fault	26 %	34 Deg C	-10 Deg C
6071,98 hours	SCR Maintenance	26 %	Medium	6072,01 hours	System Fault	26 %	9 Deg C	-66 Deg C
6072,50 hours	SCR Maintenance	26 %	Medium	6072,51 hours	System Fault	26 %	4 Deg C	-82 Deg C
6073,24 hours	SCR Maintenance	29 %	Medium	6073,24 hours	Service Tool	29 %	13 Deg C	106 Deg C
6073,93 hours	SCR Maintenance	29 %	Medium	6074,04 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	29 %	5 Deg C	4 Deg C
6076,88 hours	SCR Maintenance	27 %	Medium	6077,52 hours	Ignition Key Switch	20 %	12 Deg C	20 Deg C

Average Hydrocarbon Dosing Fuel Adjustment Factor	Hydrocarbon Dosing Peak Fuel Temperature	Hydrocarbon Dosing Peak DPF Intake Temperature	Hydrocarbon Dosing Peak SCR Intake Temperature	Average Engine Speed	Engine Speed Deviation	Average Engine Load	Engine Load Deviation	Average DPF #1 Intake Temperature
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-0,18	42 Deg C	552 Deg C	492 Deg C	1270 rpm	180 rpm	14 %	12 %	510 Deg C
-0,11	46 Deg C	525 Deg C	492 Deg C	1630 rpm	190 rpm	50 %	27 %	504 Deg C
-0,09	40 Deg C	564 Deg C	489 Deg C	1250 rpm	160 rpm	15 %	15 %	525 Deg C
-0,06	40 Deg C	567 Deg C	510 Deg C	1370 rpm	250 rpm	28 %	28 %	522 Deg C
-0,14	44 Deg C	522 Deg C	495 Deg C	1670 rpm	140 rpm	67 %	31 %	504 Deg C
-0,04	48 Deg C	552 Deg C	501 Deg C	1460 rpm	230 rpm	30 %	29 %	501 Deg C
-0,17	44 Deg C	534 Deg C	504 Deg C	1660 rpm	140 rpm	67 %	29 %	507 Deg C
-0,21	52 Deg C	522 Deg C	495 Deg C	1490 rpm	210 rpm	54 %	32 %	498 Deg C
-0,20	54 Deg C	528 Deg C	486 Deg C	1480 rpm	430 rpm	44 %	34 %	498 Deg C
-0,16	52 Deg C	519 Deg C	492 Deg C	1490 rpm	440 rpm	61 %	34 %	510 Deg C
-0,12	56 Deg C	534 Deg C	498 Deg C	1420 rpm	240 rpm	57 %	35 %	501 Deg C
-0,05	54 Deg C	528 Deg C	498 Deg C	1740 rpm	110 rpm	76 %	30 %	516 Deg C
0,00	52 Deg C	192 Deg C	156 Deg C	1600 rpm	10 rpm	14 %	4 %	192 Deg C
-0,06	42 Deg C	507 Deg C	441 Deg C	1490 rpm	230 rpm	31 %	23 %	420 Deg C
-0,17	48 Deg C	516 Deg C	492 Deg C	1650 rpm	150 rpm	66 %	26 %	504 Deg C
-0,05	60 Deg C	498 Deg C	453 Deg C	1290 rpm	500 rpm	35 %	33 %	453 Deg C
-0,02	58 Deg C	204 Deg C	246 Deg C	850 rpm	180 rpm	13 %	3 %	195 Deg C
-0,10	48 Deg C	522 Deg C	480 Deg C	1370 rpm	500 rpm	38 %	27 %	480 Deg C
-0,10	50 Deg C	201 Deg C	243 Deg C	800 rpm	0 rpm	13 %	0 %	168 Deg C
-0,10	52 Deg C	225 Deg C	225 Deg C	1800 rpm	0 rpm	16 %	1 %	225 Deg C
-0,08	46 Deg C	525 Deg C	480 Deg C	1530 rpm	50 rpm	39 %	19 %	507 Deg C
0,00	60 Deg C	273 Deg C	249 Deg C	1600 rpm	20 rpm	22 %	12 %	264 Deg C
0,00	42 Deg C	261 Deg C	234 Deg C	1500 rpm	10 rpm	17 %	2 %	261 Deg C
0,00	34 Deg C	237 Deg C	195 Deg C	1500 rpm	10 rpm	18 %	2 %	237 Deg C
0,00	34 Deg C	207 Deg C	183 Deg C	1270 rpm	250 rpm	13 %	9 %	201 Deg C
0,00	38 Deg C	252 Deg C	216 Deg C	1540 rpm	110 rpm	23 %	12 %	252 Deg C
0,00	36 Deg C	183 Deg C	147 Deg C	1500 rpm	0 rpm	16 %	0 %	183 Deg C

0,00	50 Deg C	249 Deg C	216 Deg C	1800 rpm	0 rpm	17 %	1 %	249 Deg C
0,00	52 Deg C	378 Deg C	267 Deg C	1700 rpm	100 rpm	19 %	9 %	378 Deg C
0,00	30 Deg C	222 Deg C	192 Deg C	1500 rpm	10 rpm	18 %	6 %	222 Deg C
0,00	34 Deg C	225 Deg C	192 Deg C	1200 rpm	0 rpm	8 %	0 %	219 Deg C
0,00	40 Deg C	408 Deg C	372 Deg C	800 rpm	10 rpm	20 %	1 %	408 Deg C
0,05	32 Deg C	522 Deg C	342 Deg C	1390 rpm	350 rpm	16 %	4 %	510 Deg C
-0,17	38 Deg C	558 Deg C	474 Deg C	930 rpm	200 rpm	20 %	4 %	519 Deg C

Average Intake Manifold Air Temperature

19 Deg C
 43 Deg C
 17 Deg C
 28 Deg C
 49 Deg C
 34 Deg C
 49 Deg C
 48 Deg C
 49 Deg C
 49 Deg C
 51 Deg C
 61 Deg C
 39 Deg C
 39 Deg C
 51 Deg C
 55 Deg C
 45 Deg C
 43 Deg C
 32 Deg C
 46 Deg C
 39 Deg C
 53 Deg C
 39 Deg C
 29 Deg C
 31 Deg C
 29 Deg C
 36 Deg C
 45 Deg C
 48 Deg C
 18 Deg C
 19 Deg C
 23 Deg C
 18 Deg C

19 Deg C

Service Test History - C7.1 963 (J7A12150)

Service Test Name	Total Operating Hours	Service Test Error ID	Service Test Status
Air System Motor Valve Verification Test	6072,0 hours	0000	Complete
Aftertreatment System Functional Test	6072,0 hours	10D0	Incomplete
Aftertreatment System Functional Test	6072,0 hours	10D0	Incomplete
Aftertreatment System Functional Test	6072,0 hours	10D0	Incomplete
Aftertreatment System Functional Test	6072,0 hours	0002	Incomplete
Air System Motor Valve Verification Test	6072,4 hours	0000	Complete
Manual DPF Regeneration	6072,4 hours	10D0	Incomplete
Aftertreatment Recovery Procedure	6072,4 hours	10D0	Incomplete
Aftertreatment Recovery Procedure	6072,4 hours	10D0	Incomplete
Aftertreatment Recovery Procedure	6072,4 hours	10D0	Incomplete
Aftertreatment Recovery Procedure	6072,4 hours	10D0	Incomplete
Aftertreatment Recovery Procedure	6072,4 hours	10D0	Incomplete
Aftertreatment Recovery Procedure	6072,4 hours	10D0	Incomplete
Aftertreatment Recovery Procedure	6072,4 hours	10D0	Incomplete
Aftertreatment Recovery Procedure	6072,4 hours	10D0	Incomplete
Aftertreatment Sulfation Recovery Procedure	6072,5 hours	1169	Incomplete
Aftertreatment Recovery Procedure	6072,5 hours	0002	Incomplete
Air System Motor Valve Verification Test	6072,8 hours	0000	Complete
Aftertreatment System Functional Test	6073,4 hours	0002	Incomplete
Engine Exhaust Back Pressure Regulator Reset	6073,4 hours	0000	Complete
Aftertreatment Regeneration System Test	6074,0 hours	0000	Complete

Product Link Elite (LTT00370)

Parameter	Value
Product ID	LTT00370
Machine Serial Number	
Equipment ID	

ECM Part Number	5174512-07
ECM Serial Number	210106009091002P
Software Group Part Number	6655893-00
Software Group Release Date	MAY2025
Software Group Description	VIMS_TELEMATICS_2025_05_12
Application Software Part Number	
Cellular Device ECM Serial Number	21012800H07X003F
Cellular Device ECM Hardware Part Number	5503269-08
Cellular Radio Module Software Part Number	6632903-00
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 = 6077 hours] - Product Link Elite (LTT00370)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Total Operating Hours = 6077 hours] - Product Link Elite (LTT00370)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Product Link Elite (LTT00370)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Product Link Elite (LTT00370)

Code	Description
No Active Events	

Current Totals - Product Link Elite (LTT00370)

Description	Value	Unit
Total Operating Hours	6077,6	hours
Total Distance	15008,20	km

Configuration - Product Link Elite (LTT00370)

Description	Value	Unit
Product ID	LTT00370	
Equipment ID		
CAT Data Link Module Identifier Configuration	Gateway #1	
Machine Serial Number		

Maintenance Mode	Off	
Security System Tamper Resistant Configuration	Not Installed	
Data Acquisition System Installation Status	Unavailable	
Data Acquisition System Customer Enable Status	Unavailable	
Data Acquisition System Temporary Installation Status	Unavailable	
Data Acquisition System Temporary Installation Time Remaining	Unavailable	min
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
Mining Aftermarket System Installation Status	Unavailable	
Production Measurement Feature Installation Status	Unavailable	

Port Statistics Snapshot - Product Link Elite (LTT00370)

J2/P2:34 J2/P2:35

Description	Value
Network Media Duplex Mode	Unknown
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	289532
Number of Received Octets	239048
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	1

J2/P2:18 J2/P2:19

Description	Value
Network Media Duplex Mode	Unknown
Signal Quality	Unstable

Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	624926
Number of Received Octets	1532187
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	1

J2/P2:1 J2/P2:2 J2/P2:3 J2/P2:4

Description	Value
Network Media Duplex Mode	Unknown
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	271582
Number of Received Octets	332517
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	1

J3:39 J3:40 J3:41 J3:42

Description	Value
Network Media Duplex Mode	Unknown
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	1707093
Number of Received Octets	736466
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

Implement 963 (LTT00370)

Parameter	Value
Product ID	LTT00370
Build Number	12A
Equipment ID	LTT00370
ECM Part Number	4916843-06
ECM Serial Number	201208002125000H
Software Group Part Number	6569169-00
Software Group Release Date	JUL2024
Software Group Description	TTL 963

Logged Diagnostic Codes [Diagnostic Clock = 6077 hours] - Implement 963 (LTT00370)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Loaded Event Codes [Diagnostic Clock = 6077 hours] - Implement 963 (LTT00370)

Code	Description	Occ.	First	Last
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No Logged Event Codes				
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Active Diagnostic Codes - Implement 963 (LTT00370)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Implement 963 (LTT00370)

Code	Description
No Active Events	

System Communication Status - Active Problems - Implement 963 (LTT00370)

ECMs	Detected Problem	Data Link	Diagnostic Information
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System Communication Status - Inactive Problems - Implement 963 (LTT00370)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Implement 963 (LTT00370) - Device 2: Engine Control Module #1	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #1	Diagnostic Code: 247-9 - Service Hour Meter: 6075:27:17 -
Device 1: Implement 963 (LTT00370) - Device 2: Machine Pitch Sensor	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #2	Diagnostic Code: 2348-9 - Service Hour Meter: 6076:47:12 -
Device 1: Implement 963 (LTT00370) - Device 2: Machine Pitch Sensor	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #2	Diagnostic Code: 2348-9 - Service Hour Meter: 6076:45:17 -
Device 1: Implement 963 (LTT00370) - Device 2: Machine Pitch Sensor	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #2	Diagnostic Code: 2348-9 - Service Hour Meter: 6076:46:40 -

Configuration - Implement 963 (LTT00370)

Description	Value	Unit
Equipment ID	LTT00370	
Machine Pitch Sensor Installation Status	Installed	
Joystick Installation Status	Installed	
Auxiliary Valve #1 Control Lever Configuration	Not Installed	
Auxiliary Valve #2 Control Lever Configuration	Not Installed	
Quick Coupler Installation Status	Not Installed	
Loader Lift Linkage Position Sensor Configuration	Rotary Position Sensor	
Loader Tilt Linkage Position Sensor Configuration	In-Cylinder Position Sensor	
Lift Linkage Float Enable Status	Disabled	
Raise Kickout Enable Status	Enabled	
Lower Kickout Enable Status	Enabled	

Rackback Kickout Enable Status	Enabled	
Dump Kickout Enable Status	Enabled	
Raise Snubbing Enable Status	Enabled	
Rackback Snubbing Enable Status	Enabled	
Dump Snubbing Enable Status	Enabled	
Dump Stop Snubbing Enable Status	Enabled	
Implement Assist Enable Status	Disabled	
Bucket Shakeout Enable Status	Enabled	
Lift Modulation Configuration	Fine	
Tilt Modulation Configuration	Fine	
Raise Valve Modulation Scale Factor	85,0	%
Lower Valve Modulation Scale Factor	85,0	%
Rackback Valve Modulation Scale Factor	85,0	%
Dump Valve Modulation Scale Factor	85,0	%
Lift Raise Solenoid Minimum Current	0,601	Amps
Lift Raise Solenoid Maximum Current	1,246	Amps
Lift Lower Solenoid Minimum Current	0,587	Amps
Lift Lower Solenoid Maximum Current	1,167	Amps
Tilt Rackback Solenoid Minimum Current	0,633	Amps
Tilt Rackback Solenoid Maximum Current	1,458	Amps
Tilt Dump Solenoid Minimum Current	0,595	Amps
Tilt Dump Solenoid Maximum Current	1,480	Amps
Auxiliary Valve #1 Port A Solenoid Minimum Current	0,400	Amps
Auxiliary Valve #1 Port A Solenoid Maximum Current	1,400	Amps
Auxiliary Valve #1 Port B Solenoid Minimum Current	0,400	Amps
Auxiliary Valve #1 Port B Solenoid Maximum Current	1,400	Amps
Auxiliary Valve #2 Port A Solenoid Minimum Current	0,400	Amps
Auxiliary Valve #2 Port A Solenoid Maximum Current	1,400	Amps
Auxiliary Valve #2 Port B Solenoid Minimum Current	0,400	Amps
Auxiliary Valve #2 Port B Solenoid Maximum Current	1,400	Amps
Engineering Data Gathering Enable Status	Enabled	

Additional Information - Implement 963 (LTT00370)

Description	Value	Unit
Lift Linkage Position Sensor Full Raise Duty Cycle	21,5	%
Lift Linkage Position Sensor Full Lower Duty Cycle	73,5	%
Tilt Cylinder Position Sensor Full Rackback Duty Cycle	80,86	%
Tilt Cylinder Position Sensor Full Dump Duty Cycle	12,33	%

Calibration Status - Implement 963 (LTT00370)

Calibration	Status	Last Successful Completion
Implement Dump Valve Calibration	Success	469,9 hours
Implement Rackback Valve Calibration	Success	469,9 hours
Implement Lower Valve Calibration	Success	469,8 hours
Implement Raise Valve Calibration	Success	469,8 hours
Implement Dump Valve #1 Calibration	Success	469,9 hours
Implement Rackback Valve #1 Calibration	Success	469,9 hours
Implement Lower Valve #1 Calibration	Success	469,8 hours
Implement Raise Valve #1 Calibration	Success	469,8 hours
Tilt Cylinder Position Sensor Calibration	Success	2,1 hours
Lift Linkage Sensor Calibration	Success	2,1 hours
Tilt Lever Calibration	Success	469,6 hours
Lift Lever Calibration	Success	469,6 hours

Histogram - Implement 963 (LTT00370)

No Histogram data available

Port Statistics Snapshot - Implement 963 (LTT00370)

J3A:1 J3A:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	42663
Number of Received Octets	13870
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J3B:1 J3B:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	23744

Number of Received Octets	53624
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0