Cat Electronic Technician 2015A v1.0

Product Status Report

16/06/2020 13:28

Product Status Report

Parameter	Value
Product ID	TLF00133
Equipment ID	324E
Comments	www.mevas.eu

VIMS Main Module (TLF00133)

Parameter	Value
Machine Serial Number	TLF00133
Product ID	TLF00133
Equipment ID	324E
ECM Part Number	3402413-03
ECM Serial Number	30819077RN
Software Group Part Number	4426441-00
Software Group Release Date	APR13
Software Group Description	PLGSM 2013A PROD 1.0
Application Software Part Number	Unavailable
Telematic Device Software Group Part Number	5809705-00
Telematic Device Software Group Release Date	MAR2019
Telematic Device Software Group Description	PROD-4.3.11

Logged Diagnostic Codes [Diagnostic Clock = 10086.8581 hours] - VIMS Main Module (TLF00133)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 10086.8581 hours] - VIMS Main Module (TLF00133)

Code	Description	Occ.	First	Last
No Logged Events				

Active Diagnostic Codes - VIMS Main Module (TLF00133)

Code	Description
No Active Codes	

Active Event Codes - VIMS Main Module (TLF00133)

Code	Description

No Active Events	

Current Totals - VIMS Main Module (TLF00133)

Description	Value	Unit
Total Operating Hours	10087	hours

Configuration - VIMS Main Module (TLF00133)

Description	Value	Unit
Data Acquisition System Installation Status	Unavailable	
Data Acquisition System Temporary Installation Status	Not Installed	
Data Acquisition System Temporary Installation Time Remaining	15000	min
Customer Password #1	********	
Customer Password #2	********	
Product ID	TLF00133	
Equipment ID	324E	
External Service Lamp Installation Configuration	Unavailable	
External Service Lamp Display Mode Setting	Unavailable	
Telemetry Port Selection	Unavailable	
TMAC Protocol Port Selection	Unavailable	
Ethernet Media Access Control (MAC) Address	00:0A:75:00:FA:B7	
Internet Protocol Host Name	VIMS3G	
Internet Protocol (IPv4) Address	165.26.79.218	
Internet Protocol (IPv4) Network Mask	255.255.255.252	
Network Default Gateway Internet Protocol (IPv4) Address	165.26.79.216	
Web Server Administrator Password	admin	
Dynamic Host Configuration Protocol (DHCP) Enable Status	Disabled	
Fleet Management System (FMS) Installation Status	Not Installed	
Fleet Management System (FMS) Enable Status	Unavailable	
Maintenance Mode	Off	
Machine Serial Number	TLF00133	

C7.1 324E

Parameter	Value
Equipment ID	324E
Engine Serial Number	C7R01136
ECM Part Number	3408157-02
ECM Serial Number	19516053QS
Software Group Part Number	5159809-00
Software Group Release Date	JUN16
Software Group Description	324E-HEX-C7.1-TIER-4I
Calibration Identification Number	AD919_03

Logged Diagnostic Codes [Diagnostic Clock = 10086.8581 hours] - C7.1 324E

Code	Description	Occ.	First	Last
174- 3	Fuel Temperature Sensor : Voltage Above Normal	255	7208	10086
247-14	SAE J1939 Data Link : Special Instruction	13	9059	10085
254- 2	Electronic Control Module : Erratic, Intermittent, or Incorrect	28	7725	7725

Logged Event Codes [Diagnostic Clock = 10086.8581 hours] - C7.1 324E

Code	Description	Occ.	First	Last
E997 (1)	High DPF #1 Ash Loading	79	10024	10086
E1121 (2)	EGR Valve Control Not Responding to Command	3	10080	10083
E1170 (1)	Low Aftertreatment #1 Secondary Air Pressure	1	10085	10085

Active Diagnostic Codes - C7.1 324E

Code	Description
174- 3	Fuel Temperature Sensor : Voltage Above Normal

Active Event Codes - C7.1 324E

Code	Description
E997 (1)	High DPF #1 Ash Loading

Current Totals - C7.1 324E

Description	Value	Unit
Total Idle Time	2367:09	hours
Total Fuel	185455	L
Total Engine #1 Fuel	183660	L
Total ARD Fuel	1796.000	L
Total Idle Fuel	7856	L
Total Max Fuel	390212	L
Engine Lifetime Hours	10098.7	hours
Average Load Factor	46	%
Engine Starts	6352	
Lifetime Total Engine Revolutions	934958112	rev
Total Operating Hours	10087	hours
DPF #1 Last Ash Service Engine Lifetime Hours	5036.4	hours
Total Engine Idle Shutdown Count	178	
Total Engine Idle Shutdown Overrides Count	194	
Starts/Hour	0.63	
Average RPM	1543.04	rpm
Percentage Idle Time	23.44	%
Average Fuel Rate	18.36	L/h
Overall Load Factor	47	%

Configuration - C7.1 324E

Description	Value	Unit

Equipment ID	324E	
Engine Serial Number	C7R01136	
ECM Serial Number	19516053QS	
Software Group Part Number	5159809-00	
Software Group Release Date	JUN16	
Software Group Description	324E-HEX-C7.1-TIER-4I	
Ether Solenoid Configuration	Continuous Flow Solenoid	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Engine Warm Up Elevated Idle Delay Time	10.0	min
Low System Battery Voltage Elevated Idle	Enabled	
Engine Idle Shutdown Enable Status	Disabled	
Engine Idle Shutdown Delay Time	7.0	min
Engine Fan Type Configuration	Viscous Clutch	
Engine Cooling Fan Map	Standard	
ARD Auto Regeneration Enable Status	Enabled	
ARD Manual Disable Status	Not Disabled	
High Soot Load Aftertreatment Protection Enable Status	Enabled	
Factory Installed Aftertreatment #1 Identification Number	AUA011125A	
DPF #1 Soot Loading Sensing System Configuration Code	EC	
System Operating Voltage Configuration	24 Volt	
FLS	10	
FTS	-5	
CAN Communication Protocol Write Security	Seed and Key Access	
CAN Communication Protocol Read Security	Seed and Key Access	
Total Tattletale	385	

Lifetime:Accumulated Time vs Intake Manifold Pressure - C7.1 324E

Intake Manifold Pressure(kPa)	hours	%
<80.00	1.90	0.23
80.00-89.99	2.70	0.33
90.00-99.99	10.70	1.30
100.00-109.99	36.75	4.48
110.00-119.99	107.45	13.10
120.00-129.99	217.50	26.51
130.00-139.99	242.60	29.57
140.00-149.99	145.10	17.69
150.00-159.99	43.05	5.25
160.00-169.99	10.55	1.29
170.00-179.99	1.90	0.23
180.00-189.99	0.15	0.02
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
230.00-239.99	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 - C7.1 324E

Engine Coolant Temperature(Deg C)	hours	%
<0.00	0.00	0.00
0.00-4.99	0.05	0.00
5.00-9.99	0.60	0.01
10.00-14.99	3.20	0.03
15.00-19.99	9.00	0.09

20.00-24.99	13.90	0.14
25.00-29.99	19.95	0.20
30.00-34.99	26.00	0.26
35.00-39.99	27.75	0.28
40.00-44.99	26.40	0.26
45.00-49.99	27.20	0.27
50.00-54.99	25.30	0.25
55.00-59.99	28.85	0.29
60.00-64.99	27.30	0.27
65.00-69.99	35.00	0.35
70.00-74.99	908.55	9.10
75.00-79.99	5932.25	59.42
80.00-84.99	1740.05	17.43
85.00-89.99	818.95	8.20
90.00-94.99	300.65	3.01
95.00-99.99	12.70	0.13
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

Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C7.1 324E

Engine Speed(rpm)		%
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 - C7.1 324E

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	0.00	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	108.05	111.85	475.75

10.0-19.9	0.00	0.00	0.00	0.00	0.05	0.10	93.10	92.20	418.10
20.0-29.9	0.00	0.00	0.00	0.00	0.00	0.05	2.40	2.20	0.25
30.0-39.9	0.00	0.00	0.00	0.00	0.00	0.10	0.80	0.85	0.20
40.0-49.9	0.00	0.00	0.00	0.00	0.00	0.05	0.40	0.45	0.15
50.0-59.9	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.20	0.05
60.0-69.9	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05
70.0-79.9	0.00	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	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.05	0.00	0.00	0.00	0.10	0.40	204.95	207.80	894.60

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 324E

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	513.75	7.50	3.85	9.90	17.80	10.30	3.25	3.50	2.35
10.0-19.9	403.95	2.35	1.70	0.95	3.15	1.95	1.30	2.55	1.40
20.0-29.9	0.20	0.05	0.35	0.00	0.35	0.25	0.45	1.20	0.60
30.0-39.9	0.10	0.10	0.30	0.05	0.20	0.20	0.30	0.65	0.60
40.0-49.9	0.05	0.05	0.15	0.05	0.20	0.15	0.30	0.75	0.75
50.0-59.9	0.00	0.00	0.00	0.00	0.10	0.25	0.50	1.15	1.10
60.0-69.9	0.00	0.00	0.00	0.05	0.25	0.50	0.70	1.00	1.40
70.0-79.9	0.00	0.00	0.05	0.10	0.20	0.20	0.30	0.55	1.05
80.0-89.9	0.05	0.05	0.05	0.10	0.10	0.15	0.15	0.25	0.60
90.0-100.0	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.20	0.35
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	918.20	10.20	6.55	11.30	22.50	14.10	7.40	11.80	10.20

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 324E

rpm	1450.0-1499.9	1500.0-1549.9	1550.0-1599.9	1600.0-1649.9	1650.0-1699.9	1700.0-1749.9	1750.0-1799.9	1800.0-1849.9	1850.0-1899.9

%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	3.45	3.75	7.35	6.40	6.50	8.85	14.45	12.70	2.55
10.0-19.9	10.95	14.95	122.50	91.15	25.05	34.35	250.85	200.90	9.10
20.0-29.9	3.90	11.45	82.05	84.10	25.05	38.90	246.75	251.40	19.00
30.0-39.9	3.40	12.10	84.80	76.85	24.10	42.05	234.40	217.15	23.85
40.0-49.9	3.15	14.00	81.95	72.30	26.75	42.90	207.05	182.65	24.90
50.0-59.9	3.30	16.35	79.60	73.60	29.80	46.40	232.05	194.70	26.75
60.0-69.9	3.85	18.50	86.95	82.05	33.35	50.55	273.55	224.55	28.45
70.0-79.9	3.50	19.10	122.85	121.30	42.45	54.25	261.70	257.05	31.45
80.0-89.9	2.50	14.75	138.45	160.50	44.20	62.50	313.65	349.35	39.80
90.0-100.0	1.25	5.70	15.05	19.70	21.85	67.05	319.50	328.20	38.00
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	39.25	130.65	821.55	787.95	279.10	447.80	2353.95	2218.65	243.85

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 324E

rpm	1900.0-1949.9	1950.0-1999.9	2000.0-2049.9	2050.0-2099.9	2100.0-2149.9	2150.0-2199.9	2200.0-2249.9	2250.0-2299.9	2300.0-2349.9
%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0-19.9	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.0-29.9	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0-39.9	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.0-49.9	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.0-59.9	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0-69.9	1.90	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.0-79.9	2.40	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.0-89.9	3.30	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0-100.0	3.65	0.15	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	16.15	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 324E

rpm	2350.0-2400.0	>2400.0	Total
%			
<0.0	0.00	0.00	0.00
0.0-9.9	0.00	0.00	1334.25
10.0-19.9	0.00	0.00	1783.05
20.0-29.9	0.00	0.00	771.65
30.0-39.9	0.00	0.00	724.10
40.0-49.9	0.00	0.00	660.25
50.0-59.9	0.00	0.00	707.55
60.0-69.9	0.00	0.00	807.80
70.0-79.9	0.00	0.00	918.55
80.0-89.9	0.00	0.00	1130.60
90.0-100.0	0.00	0.00	821.60
>100.0	0.00	0.00	0.00
Total	0.00	0.00	9659.40

Lifetime:Accumulated Time vs Intake Manifold Air Temperature - C7.1 324E

Intake Manifold Air Temperature(Deg C)	hours	%
<0.00	4.40	0.04
0.00-4.99	18.35	0.18
5.00-9.99	57.30	0.57
10.00-14.99	98.05	0.98
15.00-19.99	177.45	1.78
20.00-24.99	346.70	3.47
25.00-29.99	576.30	5.77
30.00-34.99	982.35	9.84
35.00-39.99	1495.25	14.98
40.00-44.99	1825.65	18.29
45.00-49.99	1790.75	17.94
50.00-54.99	1265.15	12.67
55.00-59.99	856.80	8.58
60.00-64.99	375.75	3.76
65.00-69.99	107.65	1.08
70.00-74.99	5.45	0.05
75.00-79.99	0.00	0.00
80.00-84.99	0.00	0.00
85.00-89.99	0.00	0.00
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
115.00-120.00	0.00	0.00
>120.00	0.00	0.00

Lifetime:Accumulated Time vs Engine Speed - C7.1 324E

Engine Speed(rpm)	hours	%
<550.0	0.05	0.00
550.0-599.9	0.00	0.00
600.0-649.9	0.00	0.00
650.0-699.9	0.00	0.00
700.0-749.9	0.05	0.00
750.0-799.9	0.20	0.00
800.0-849.9	0.55	0.01
850.0-899.9	268.00	2.70
900.0-949.9	272.35	2.74
950.0-999.9	923.95	9.31
1000.0-1049.9	949.40	9.56
1050.0-1099.9	10.85	0.11
1100.0-1149.9	10.90	0.11
1150.0-1199.9	12.55	0.13
1200.0-1249.9	26.45	0.27
1250.0-1299.9	16.55	0.17
1300.0-1349.9	9.30	0.09
1350.0-1399.9	16.15	0.16
1400.0-1449.9	11.80	0.12
1450.0-1499.9	44.90	0.45
1500.0-1549.9	134.85	1.36
1550.0-1599.9	825.75	8.32
1600.0-1649.9	791.70	7.97
1650.0-1699.9	281.05	2.83
1700.0-1749.9	450.90	4.54
1750.0-1799.9	2373.25	23.90
1800.0-1849.9	2236.55	22.52
1850.0-1899.9	244.80	2.47
1900.0-1949.9	16.20	0.16
1950.0-1999.9	0.40	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

Lifetime:Accumulated Time vs Air Inlet Temperature - C7.1 324E

Air Inlet Temperature(Deg C)	hours	%
<(-20.00)	0.00	0.00
(-20.00)-(-15.01)	0.00	0.00
(-15.00)-(-10.01)	0.00	0.00
(-10.00)-(-5.01)	1.70	0.02
(-5.00)-(-0.01)	28.80	0.29
0.00-4.99	135.50	1.36
5.00-9.99	500.10	5.01
10.00-14.99	811.30	8.13
15.00-19.99	1426.35	14.30
20.00-24.99	2023.10	20.28
25.00-29.99	2178.30	21.83
30.00-34.99	1779.15	17.83
35.00-39.99	870.50	8.73
40.00-44.99	203.65	2.04
45.00-49.99	17.70	0.18
50.00-54.99	0.15	0.00
55.00-59.99	0.05	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 DPF #1 Soot Loading Percent And ARD Manual Disable Status - C7.1 324E

%	<40	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119
ARD Manual Disable Status									
0	5297.30	1621.05	1776.45	1326.05	42.05	5.85	1.00	1.90	2.00
1	0.15	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total	5297.45	1621.25	1776.45	1326.05	42.05	5.85	1.00	1.90	2.00

Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C7.1 324E

%	120-129	130-140	>140	Total
ARD Manual Disable Status				
0	0.00	0.00	0.00	10073.65
1	0.00	0.00	0.00	0.35
Total	0.00	0.00	0.00	10074.00

Monitoring System - C7.1 324E

Description	State	Trip Point	Delay Time
Engine Overspeed			
Least Severe (1)	Always On	3000 rpm	0 sec
High Air Inlet #1 Differential Pressure			
Least Severe (1)	Always On	6.5 kPa	0 sec
Moderate Severity (2)	Always On	6.5 kPa	0 sec
High Engine Coolant Temperature			
Least Severe (1)	Always On	109 Deg C	10 sec
Moderate Severity (2)	Always On	111 Deg C	10 sec
Most Severe (3)	Always On	114 Deg C	10 sec
High Exhaust Temperature			
Least Severe (1)	Always On	178 Deg C	8 sec
Moderate Severity (2)	Always On	180 Deg C	8 sec
High Fuel/Water Separator Water Level			
Least Severe (1)	Always On	None	5 sec
Moderate Severity (2)	Always On	None	1800 sec
High Intake Manifold Air Temperature			
Least Severe (1)	Always On	123.0 Deg C	8 sec
Moderate Severity (2)	Always On	125.0 Deg C	8 sec
Low Engine Oil Pressure			
Least Severe (1)	Always On	None	0 sec
Most Severe (3)	Always On	None	0 sec

Injector Codes Calibration - C7.1 324E

Injector	Code
Injector 1	71FB05F0FAF8E60901F6D30000FFF8
Injector 2	71070F0302E4D00CF5EECA0000FFF7
Injector 3	71FD0A0D1F17101B171C100000FF8E
Injector 4	71121F0A1700F9190D04F50000FF82
Injector 5	71FF04F70000FB0905FAFD0000FFEB
Injector 6	710311050E0A00140707FE0000FFA3

Monitor System

Parameter	Value
ECM Part Number	3095711-02
Software Group Part Number	5009172-00
Software Group Release Date	DEC2015
Software Group Description	E HEX MONITOR Application

Machine Control 324E/326F & 558 (TLF00133)

Parameter	Value
Product ID	TLF00133
ECM Part Number	3095710-03
ECM Serial Number	3481F078EV
Software Group Part Number	4811519-00
Software Group Release Date	JUL2015
Software Group Description	324E HEX CONTROL

Logged Diagnostic Codes [Diagnostic Clock = 10086.8533 hours] - Machine Control 324E/326F & 558 (TLF00133)

Code	Description	Occ.	First	Last
1593- 5	Attachment Valve #1 Extend Pressure Solenoid : Current Below Normal	43	9239	9979

Logged Event Codes [Diagnostic Clock = 10086.8533 hours] - Machine Control 324E/326F & 558 (TLF00133)

Code	Description	Occ.	First	Last
No Logged Events				

Active Diagnostic Codes - Machine Control 324E/326F & 558 (TLF00133)

Code	Description
No Active Codes	

Active Event Codes - Machine Control 324E/326F & 558 (TLF00133)

Code	Description
No Active Events	

Current Totals - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Total Operating Hours	10087	hours
Engine Maintenance Hours	10084	hours
Engine Oil Hours	1204	hours
Engine Oil Filter Hours	1204	hours
Engine Coolant Hours	1204	hours
Fuel/ Water Separator Hours	1204	hours
Secondary Fuel Filter Hours	1204	hours
Fuel Tank Cap Hours	1204	hours

Crankcase Ventilation Filter Hours	1204	hours
Aftertreatment Spark Plug Hours	4298	hours
Fuel Pump Screen Filter Hours	1204	hours
Hydraulic Pump Hours	10084	hours
Hydraulic Pilot Oil Filter Hours	1204	hours
Hydraulic Case Drain Oil Filter Hours	1204	hours
Return Hydraulic Oil Filter Hours	1204	hours
Hydraulic Oil Hours	1204	hours
Final Drive Oil Hours	1204	hours
Swing Motor Hours	4231	hours
Swing Drive Oil Hours	1204	hours
Travel Motor Hours	1413	hours
Tool #1 Hours	0	hours
Tool #2 Hours	0	hours
Tool #3 Hours	1	hours
Tool #4 Hours	0	hours
Tool #5 Hours	0	hours
Tool #6 Hours	0	hours
Tool #7 Hours	0	hours
Tool #8 Hours	538	hours
Tool #9 Hours	0	hours
Tool #10 Hours	0	hours
Return Hydraulic Oil Filter Bypass Hours	3.2	hours
Return Hydraulic Oil Filter Bypass at Cold Temperature Hours	3.1	hours
Hours of Operation at High Hydraulic Pressure	264.8	hours
Hours of Operation at Relief Hydraulic Pressure	75.1	hours

Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Product ID	TLF00133	
Hydraulic Power Mode	High	
Hydraulic Power High Mode Selection Display Enable Status	Enabled	
Hydraulic Power Standard Mode Selection Display Enable Status	Enabled	
Lighting Shutdown Timer Duration	1	min
Travel Alarm Installation Status	Not Installed	
Quick Coupler Installation Status	Installed with Coupler Accelerator	
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
Fuel Tank Maximum Volume	429	L
Engine Speed Management Feature Installation Status	Not Installed	
Heavy Lift System Installation Status	Installed	
Machine Lockout System Installation Status	Not Installed	
Machine Application Configuration	Multi-Proc - Electrical	
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 #1 Control Type Configuration	Electrical	
Attachment Valve #2 Control Type Configuration	Electrical	
Attachment Valve #3 Control Type Configuration	Electrical	
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	
F2 Type Valve Load Sense Pres Sensor Installation	Installed on Valve #1	
Tool Program Main Pump Flow Limit Function Enable Status	Enabled	
Heavy Attachment Control Feature Installation Status	Not Installed	
Boom Cylinder Retract Speed Limit System Installation Status	Installed	
Stick Cylinder Extend Speed Limit System Installation Status	Installed	
Stick Cylinder Retract Speed Limit System Installation Status	Not Installed	
Enhanced Multiple Operation Attachment Valve Limit Installation Status	Installed	
Hammer Automatic Control Feature Installation Status	Not Installed	
Joystick Handle Configuration	Modulation Handle	
Foot Switch Installation Status	Not Installed	
Left Attachment Pedal Installation Status	Not Installed	
Right Attachment Pedal Installation Status	Not Installed	
Left Joystick Switch #1 Control Mode	No valve controlled	
Left Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #1 Control Mode	Momentary - Valve #1 Extend	
Right Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	

Travel Speed Shift Low Delay	0.4	sec
Travel Speed Shift High Delay	0.4	sec
Travel Speed Shift Low Pres	18000	kPa
Travel Speed Shift High Pressure	32000	kPa
One Touch Engine Speed Setting	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	1110	rpm
Throttle Dial Position 4 Engine Speed	1240	rpm
Throttle Dial Position 5 Engine Speed	1370	rpm
Throttle Dial Position 6 Engine Speed	1470	rpm
Throttle Dial Position 7 Engine Speed	1570	rpm
Throttle Dial Position 8 Engine Speed	1650	rpm
Throttle Dial Position 9 Engine Speed	1730	rpm
Throttle Dial Position 10 Engine Speed	1800	rpm
Throttle Dial Position 1 Hydraulic System Torque Percentage	20.0	%
Throttle Dial Position 2 Hydraulic System Torque Percentage	35.0	%
Throttle Dial Position 3 Hydraulic System Torque Percentage	48.0	%
Throttle Dial Position 4 Hydraulic System Torque Percentage	63.0	%
Throttle Dial Position 5 Hydraulic System Torque Percentage	77.0	%
Throttle Dial Position 6 Hydraulic System Torque Percentage	88.0	%
Throttle Dial Position 7 Hydraulic System Torque Percentage	94.0	%
Throttle Dial Position 8 Hydraulic System Torque Percentage	97.0	%
Throttle Dial Position 9 Hydraulic System Torque Percentage	99.0	%
Throttle Dial Position 10 Hydraulic System Torque Percentage	100.0	%
Engine Oil Recommended Maintenance Interval	500	hours
Engine Oil Filter Recommended Maintenance Interval	500	hours
Engine Coolant Recommended Maintenance Interval	6000	hours
Fuel/ Water Separator Recommended Maint Interval	500	hours
Secondary Fuel Filter Recommended Maintenance Interval	500	hours
Fuel Pump Screen Filter Recommended Maintenance Interval	3000	hours
Tertiary Fuel Filter Recommended Maintenance Interval	0	hours

Fuel Tank Cap Recommended Maintenance Interval	1000	hours
Crankcase Ventilation Filter Recommended Maintenance Interval	1500	hours
Aftertreatment Spark Plug Recommended Maintenance Interval	5000	hours
Hydraulic Pilot Oil Filter Recommended Maintenance Interval	1000	hours
Hydraulic Case Drain Oil Filter Recommended MI	1000	hours
Return Hyd Oil Filter Recommended Maint Interval	2000	hours
Attachment Hydraulic Oil Filter Recommended Maintenance Interval	0	hours
Final Drive Oil Recommended Maintenance Interval	2000	hours
Hydraulic Oil Recommended Maintenance Interval	3000	hours
Swing Drive Oil Recommended Maintenance Interval	1000	hours
Grade Control System Installation Status	Not Installed	
Grade Control Switch Installation Status	Not Installed	
Machine Laser Sensor Installation Status	Installed	
Directional Heading Sensor Installation Status	Not Installed	
Work Tool Elevation Focus Point	Center	
Elevation On-Grade Tolerance	25	mm
Grade Control Above Grade Audible Alarm Configuration	Off	
Grade Control On Grade Audible Alarm Configuration	Off	
Grade Control Below Grade Audible Alarm Configuration	Off	
Grade Slope Units Configuration	Degrees	
Linkage Ceiling Violation Warning Enable Status	Disabled	
Linkage Floor Violation Warning Enable Status	Disabled	
Boom Calibration Angle Value #1	-0.12	Deg
Boom Calibration Angle Value #2	-0.12	Deg
Boom Calibration Angle Value #3	-0.12	Deg
Boom Calibration Angle Value #4	-0.12	Deg
Boom Calibration Angle Value #5	-0.12	Deg
Stick Calibration Angle Value #1	-0.12	Deg
Stick Calibration Angle Value #2	-0.12	Deg
Stick Calibration Angle Value #3	-0.12	Deg
Stick Calibration Angle Value #4	-0.12	Deg
Stick Calibration Angle Value #5	-0.12	Deg
Advanced Machine Security System Installation Status	Not Installed	
Total Tattletale	0	

Calibration Status - Machine Control 324E/326F & 558 (TLF00133)

Calibration	Status	Last Successful Completion
Attachment Valve #1 Extend	Success	0.5 hours
Attachment Valve #1 Retract	Success	0.5 hours
Attachment Valve #2 Extend	Success	0.5 hours
Attachment Valve #2 Retract	Success	0.5 hours
Attachment Valve #3 Extend	Success	0.5 hours
Attachment Valve #3 Retract	Success	0.6 hours
Attachment Valve #4 Extend	Not Calibrated	Never Successfully Calibrated
Attachment Valve #4 Retract	Not Calibrated	Never Successfully Calibrated
Boom Angle Calibration	Unknown	Never Successfully Calibrated
Boom Down Regeneration Valve Pressure Calibration	Success	0.5 hours
Boom and Stick Angle Sensor Calibration	Not Calibrated	Never Successfully Calibrated
Bypass Cutoff Valve #1 Pressure Solenoid Calibration	Not Calibrated	Never Successfully Calibrated
Bypass Cutoff Valve #2 Pressure Solenoid Calibration	Not Calibrated	Never Successfully Calibrated
Chassis Angle Sensor Calibration	Unknown	Never Successfully Calibrated
Directional Heading Sensor Calibration	Unknown	Never Successfully Calibrated
Hoe Bucket Angle Calibration	Unknown	Never Successfully Calibrated
Left Joystick Thumbwheel Calibration	Success	0.2 hours
Right Joystick Thumbwheel Calibration	Success	0.2 hours
Left Attachment Pedal Calibration	Not Calibrated	Never Successfully Calibrated
Right Attachment Pedal Calibration	Not Calibrated	Never Successfully Calibrated
Pump #1 Flow Limitation Pressure Solenoid Calibration - Pres	Success	0.5 hours
Pump #2 Flow Limitation Pressure Solenoid Calibration - Pres	Success	0.5 hours
Pump #1 Flow Limitation Pressure Solenoid Calibration - Flow	Success	1.3 hours
Pump #2 Flow Limitation Pressure Solenoid Calibration - Flow	Success	1.3 hours
PRV - Power Shift Pressure Calibration	Success	0.4 hours
Boom Cylinder Extend Pilot Pressure Limit Solenoid Cal	Not Calibrated	Never Successfully Calibrated
Boom Cylinder Retract Limit Solenoid Calibration	Success	0.6 hours
Stick Cylinder Retract Pilot Pressure Limit Solenoid Cal	Not Calibrated	Never Successfully Calibrated

Stick Cylinder Extend Pilot Pressure Limit Solenoid Cal	Success with Error	0.6 hours
Boom Offset Right Pilot Pressure Limit Solenoid Cal	Unknown	Never Successfully Calibrated
Boom Offset Left Pilot Pressure Limit Solenoid Cal	Unknown	Never Successfully Calibrated
Stick Angle Calibration	Unknown	Never Successfully Calibrated
Tilt Bucket Angle Sensor Calibration	Unknown	Never Successfully Calibrated
PRV - Variable Relief Pressure Calibration Solenoid 1	Success	1.3 hours
PRV - Variable Relief Pressure Calibration Solenoid 2	Success	1.4 hours

Job:Accumulated Time vs Hydraulic Oil Temperature - Machine Control 324E/326F & 558 (TLF00133)

Hydraulic Oil Temperature(Deg C)	hours	%
<20.0	455.50	4.52
20.0-29.9	589.15	5.84
30.0-39.9	1686.55	16.72
40.0-49.9	2851.85	28.28
50.0-59.9	3064.80	30.39
60.0-69.9	1291.20	12.80
70.0-79.9	146.30	1.45
80.0-89.9	0.00	0.00
90.0-99.9	0.00	0.00
100.0-109.9	0.00	0.00
110.0-120.0	0.00	0.00
>120.0	0.00	0.00

Job:Accumulated Time vs Main Hydraulic Pump Oil Pressure - Machine Control 324E/326F & 558 (TLF00133)

Main Hydraulic Pump Oil Pressure(kPa)	hours	%
<20000.0	9341.80	92.69
20000.0-21999.9	321.95	3.19
22000.0-23999.9	141.80	1.41
24000.0-25999.9	78.60	0.78
26000.0-27999.9	53.30	0.53
28000.0-29999.9	42.45	0.42
30000.0-31999.9	33.60	0.33
32000.0-33999.9	37.25	0.37
34000.0-35999.9	27.15	0.27
36000.0-37999.9	0.15	0.00
38000.0-40000.0	0.05	0.00
>40000.0	0.00	0.00

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit

Tool Program Tool Type	Hammer	
Tool Program Name	H120CS	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #2	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	21000	kPa
Variable Relief Valve #2 Pressure	0	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	80.0	Deg C
Attachment Valve #1 Flow Setting	150	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	4000	kPa

Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 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	
Tool Program Tool Type	Hammer	
Tool Program Name	**H130S**	
Maximum Throttle Dial	10	

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Combined Flow	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	21000	kPa
Variable Relief Valve #2 Pressure	0	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa

Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	80.0	Deg C
Attachment Valve #1 Flow Setting	195	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	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #2 Maximum Extend Pressure	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	4000	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	
Tool Program Tool Type	Shear	
Tool Program Name	**MP15/P315**	

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	

Tool Program Pump Flow Control Mode	Pump #2	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	150	L/min
Attachment Valve #1 Multi-Operation Additional Flow	50	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	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	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	
Tool Program Tool Type	Shear	
Tool Program Name	**MP20/P325**	

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Combined Flow	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa

Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	200	L/min
Attachment Valve #1 Multi-Operation Additional Flow	50	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	1100	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	1100	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	4000	kPa
Attachment Valve #2 Maximum Retract Pressure	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	1100	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #2	1100	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

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Shear	
Tool Program Name	**S320B**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #2	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	150	L/min
Attachment Valve #1 Multi-Operation Additional Flow	50	L/min

Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	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	2000	kPa

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Shear	
Tool Program Name	**S340B**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Combined Flow	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa

F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	300	L/min
Attachment Valve #1 Multi-Operation Additional Flow	50	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	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	4000	kPa

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Attachment Valve #2 Maximum Retract Pressure	4000	kPa

Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #2	4000	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	
Tool Program Tool Type	Grapple	
Tool Program Name	**G320B/G325B**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #2	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa

Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	120	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	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	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	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	
Tool Program Tool Type	Tilt Bucket	
Tool Program Name	**NGT**	**Active**
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #2	

Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	28000	kPa
Variable Relief Valve #2 Pressure	28000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	50	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	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa

Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	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	4000	kPa
Attachment Valve #3 Maximum Retract Pressure	4000	kPa
Attachment Valve #3 Open Time	0.20	sec
Attachment Valve #3 Close Time	0.20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Tool Program Tool Type	Compactor	
Tool Program Name	**CVP110**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #2	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	22000	kPa
Variable Relief Valve #2 Pressure	0	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa

Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	159	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	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 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	
Tool Program Tool Type	Bucket Thumb	
Tool Program Name	**THUMB 1P**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #2	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%

Variable Relief Valve #1 Pressure	19300	kPa
Variable Relief Valve #2 Pressure	19300	kPa
F2 Type Valve Max Flow Derate Pressure	1000	kPa
F2 Type Valve Flow Derate Start Pressure	15000	kPa
F2 Type Valve Flow Derate End Pressure	19000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	95	L/min
Attachment Valve #1 Multi-Operation Additional Flow	50	L/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
Attachment Valve #1 Close Time	0.20	sec

Attachment Valve #1 Tool Flow Direction	Normal	
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	
Tool Program Tool Type	Bucket	
Tool Program Name	0	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa

Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	**0**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa

Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	0	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C

Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	**0**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa

F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	0	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	**0**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa

F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	**0**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	**0**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa

F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	**0**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa
F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	
Tool Program Tool Type	Bucket	
Tool Program Name	**0**	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Fuel Economy Mode Enable Status	Enabled	
Tool Program Pump Flow Control Mode	Pump #1	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	30	%
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	4000	kPa
F2 Type Valve Flow Derate Start Pressure	40000	kPa

F2 Type Valve Flow Derate End Pressure	40000	kPa
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Single Pump Mode Maximum Extend Pilot Pressure for Attachment Valve	4000	kPa
Single Pump Mode Maximum Retract Pilot Pressure for Attachment Valve	4000	kPa
Boom Cylinder Retract Speed Limit Start Pilot Pressure	4000	kPa
Boom Cylinder Retract Speed Limit Maximum Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Start Pilot Pressure	4000	kPa
Stick Cylinder Extend Speed Limit Maximum Pilot Pressure	4000	kPa
Boom Down Regeneration Valve Maximum Pilot Pressure	4000	kPa
Hydraulic Temperature High Warning Event Threshold	126.0	Deg C
Attachment Valve #1 Flow Setting	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	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Attachment Valve #1 Open Time	0.20	sec

Tool Configuration - Machine Control 324E/326F & 558 (TLF00133)

Description	Value	Unit
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	

Linkage Configuration - Machine Control 324E/326F & 558 (TLF00133)

From	To	Distance
No active Linkage Configuration components		