

Cat Electronic Technician 2021A v1.0

Product Status Report

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Product Status Report

Parameter	Value
Engine Serial Number	C1J00650
Equipment ID	Bru-90 BB
Comments	

C18 Marine Port (C1J00650)

Parameter	Value
Equipment ID	Bru-90 BB
Engine Serial Number	C1J00650
ECM Serial Number	32156092IK
Personality Module Part Number	2718706-00
Personality Module Release Date	OCT05
Personality Module Description	C18 MEUI

Logged Diagnostic Codes [Diagnostic Clock = 9300 hours] - C18 Marine Port (C1J00650)

Code	Description	Occ.	First	Last
127- 3	Transmission Oil Pressure Sensor : Voltage Above Normal	1	9300	9300
177- 3	Transmission Oil Temperature Sensor : Voltage Above Normal	1	9300	9300
174- 3	Fuel Temperature Sensor : Voltage Above Normal	1	9291	9291

Logged Event Codes [Diagnostic Clock = 9300 hours] - C18 Marine Port (C1J00650)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - C18 Marine Port (C1J00650)

Code	Description
127- 3	Transmission Oil Pressure Sensor : Voltage Above Normal
177- 3	Transmission Oil Temperature Sensor : Voltage Above Normal

Current Totals - C18 Marine Port (C1J00650)

Description	Value	Unit
Total Time	9300	hours
Total Idle Time	3591:30	hours
Total Fuel	297913	L
Total Idle Fuel	36406	L
Total Max Fuel	773387	L

Average Load Factor	35	%
Total Operating Hours	9300	hours
Engine Starts	1448	
Lifetime Total Engine Revolutions	650884892	rev
Starts/Hour	0,16	
Percentage Idle Time	38,61	%
Average RPM	1166,46	rpm
Average Fuel Rate	32,03	L/h
Overall Load Factor	38	%

Configuration - C18 Marine Port (C1J00650)

Description	Value	Unit
Equipment ID	Bru-90 BB	
Engine Serial Number	C1J00650	
ECM Serial Number	32156092IK	
Personality Module Part Number	2718706-00	
Personality Module Release Date	OCT05	
Personality Module Description	C18 MEUI	
Rating Number	1	
Rated Power	357 kW at 1800 rpm	
Rated Peak Torque	2270 N-m at 1500 rpm	
Top Engine Speed Range	1890 - 1890 rpm	
Test Spec	0K5614	
Engine Location	Port	
Number of Synchronized Engines Configuration	1	
Low Idle Speed	690	rpm
Maximum Trolling Engine Speed	900	rpm
Secondary Throttle Enable Status	Enabled	
Tachometer Frequency Configuration	113,0	
System Operating Voltage Configuration	Unavailable	
Cold Cylinder Cutout	Disabled	
Transmission Oil Temperature Sensor	Installed	
Transmission Oil Pressure Sensor	Installed	
Coolant Level Sensor	Installed	
Fuel Level Sensor Installation Status	Not Installed	
Low Fuel Level Warning Threshold	13	%
Engine Oil Capacity	49,0	L
Fuel Correction Factor	-20	%
Maintenance Indicator Mode	Off	
PM1 Interval	0	L
FLS	-59	
FTS	36	
Customer Password #1	*****	
Customer Password #2	*****	
Total Tattletale	526	
LSS Delta	200	rpm/s

LSS Timeout	5	sec
LSS Bump Speed	700	rpm

Lifetime: Time vs Engine Coolant Temperature - C18 Marine Port (C1J00650)

Engine Coolant Temperature(Deg C)	hours	%
<50,0	112,05	1,20
50,0-54,0	23,40	0,25
55,0-59,0	27,45	0,29
60,0-64,0	33,50	0,36
65,0-69,0	57,35	0,62
70,0-74,0	183,40	1,97
75,0-79,0	396,90	4,26
80,0-84,0	8446,20	90,76
85,0-89,0	25,70	0,28
90,0-94,0	0,10	0,00
95,0-99,0	0,25	0,00
100,0-104,0	0,00	0,00
105,0-109,0	0,00	0,00
110,0-114,0	0,00	0,00
115,0-119,0	0,00	0,00
>120,0	0,00	0,00

Lifetime: Time vs Inlet Air Temperature - C18 Marine Port (C1J00650)

Inlet Air Temperature(Deg C)	hours	%
<40,0	4544,65	79,78
40,0-44,0	982,55	17,25
45,0-49,0	111,10	1,95
50,0-54,0	24,70	0,43
55,0-59,0	9,60	0,17
60,0-64,0	17,25	0,30
65,0-69,0	6,05	0,11
70,0-74,0	0,25	0,00
75,0-79,0	0,00	0,00
80,0-84,0	0,00	0,00
85,0-89,0	0,00	0,00
90,0-94,0	0,00	0,00
95,0-99,0	0,00	0,00
>100,0	0,00	0,00

Lifetime: Time vs Boost Pressure - C18 Marine Port (C1J00650)

Boost Pressure(kPa)	hours	%
<110,0	5696,35	100,00
110,0-119,0	0,00	0,00
120,0-129,0	0,00	0,00
130,0-139,0	0,00	0,00
140,0-149,0	0,00	0,00
150,0-159,0	0,00	0,00

160,0-169,0	0,00	0,00
170,0-179,0	0,00	0,00
180,0-189,0	0,00	0,00
190,0-199,0	0,00	0,00
200,0-209,0	0,00	0,00
210,0-219,0	0,00	0,00
220,0-229,0	0,00	0,00
>230,0	0,00	0,00

Lifetime: Time vs Engine Speed And Engine Load Factor - C18 Marine Port (C1J00650)

rpm	<1100	1100-1299	1300-1499	1500-1699	1700-1899	1900-2099	2100-2299	>2300	Total
%									
<50,0	3020,35	1090,15	2321,10	8,80	0,20	0,00	0,00	0,00	6440,60
50,0-59,9	6,90	84,00	835,75	817,95	0,35	0,00	0,00	0,00	1744,95
60,0-69,9	1,15	11,45	75,75	323,70	0,45	0,00	0,00	0,00	412,50
70,0-79,9	0,00	0,10	16,25	80,25	53,45	0,00	0,00	0,00	150,05
80,0-89,9	0,00	0,00	0,60	18,00	15,00	0,00	0,00	0,00	33,60
>90,0	0,00	0,00	0,00	42,00	45,30	0,00	0,00	0,00	87,30
Total	3028,40	1185,70	3249,45	1290,70	114,75	0,00	0,00	0,00	8869,00

Lifetime: Total Occurrences vs Engine Speed - C18 Marine Port (C1J00650)

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

Lifetime: Time vs Engine Speed - C18 Marine Port (C1J00650)

Engine Speed(rpm)	hours	%
<1100,0	3028,40	34,14
1100,0-1299,0	1185,75	13,37
1300,0-1499,0	3249,55	36,64
1500,0-1699,0	1290,85	14,55
1700,0-1899,0	114,85	1,29
1900,0-2099,0	0,15	0,00
2100,0-2299,0	0,00	0,00
>2300,0	0,00	0,00

Lifetime: Time vs Engine Load Factor - C18 Marine Port (C1J00650)

Engine Load Factor(%)	hours	%
<50,0	6440,70	72,62
50,0-59,0	1745,05	19,67
60,0-69,0	412,65	4,65
70,0-79,0	150,20	1,69
80,0-89,0	33,65	0,38
>90,0	87,35	0,98

Trip: Time vs Engine Speed - C18 Marine Port (C1J00650)

Engine Speed(rpm)	hours	%
<1100,0	3028,40	34,14
1100,0-1299,0	1185,75	13,37
1300,0-1499,0	3249,55	36,64
1500,0-1699,0	1290,85	14,55
1700,0-1899,0	114,85	1,29
1900,0-2099,0	0,15	0,00
2100,0-2299,0	0,00	0,00
>2300,0	0,00	0,00

Trip: Time vs Engine Load Factor - C18 Marine Port (C1J00650)

Engine Load Factor(%)	hours	%
<50,0	6440,70	72,62
50,0-59,0	1745,05	19,67
60,0-69,0	412,65	4,65
70,0-79,0	150,20	1,69
80,0-89,0	33,65	0,38
>90,0	87,35	0,98

Monitoring System - C18 Marine Port (C1J00650)

Description	State	Trip Point	Delay Time
Engine Overspeed			
Least Severe (1)	On	2070 rpm	0 sec
High Engine Coolant Temperature			
Least Severe (1)	On	103 Deg C	30 sec
Moderate Severity (2)	On	106 Deg C	30 sec
High Engine Inlet Air Temperature			
Least Severe (1)	On	70,0 Deg C	30 sec
Moderate Severity (2)	Off	80,0 Deg C	30 sec
High Fuel Pressure			
Least Severe (1)	Off	None	2 sec
High Fuel Temperature			
Least Severe (1)	On	75,0 Deg C	30 sec
High Transmission Oil Pressure			
Least Severe (1)	On	2412 kPa	10 sec

High Transmission Oil Temperature			
Least Severe (1)	On	95 Deg C	10 sec
Low Coolant Level			
Least Severe (1)	Off	None	30 sec
Moderate Severity (2)	Off	None	30 sec
Low Engine Oil Pressure			
Least Severe (1)	On	None	30 sec
Moderate Severity (2)	Off	None	30 sec
Low Fuel Pressure			
Least Severe (1)	Off	None	2 sec
Unknown Event			
Least Severe (1)	On	None	None

Injector Codes Calibration - C18 Marine Port (C1J00650)

Injector	Code
Injector 1	3965
Injector 2	2420
Injector 3	3742
Injector 4	5402
Injector 5	4537
Injector 6	2420

Trip Segment - C18 Marine Port (C1J00650)

Description	Value	Unit
Time	9300:05	hours
Fuel	297912,8	L
Idle Time	3591:30	hours
Idle Fuel	36406,2	L
% Idle Time	Unavailable	hours
Total Fuel / Total Rated Fuel	Unavailable	%
Start Time	0:00	hours
End Time	9300:05	hours

Maintenance Indicator - C18 Marine Port (C1J00650)

Description	Service Status	Value	Unit
PM1	---	Unavailable	
PM2	---	Unavailable	
Coolant Flush/Fill	---	Unavailable	