

Cat Electronic Technician 2021A v1.0

Product Status Report

01/06/2024 08:50

Product Status Report

Parameter	Value
Engine Serial Number	C1J00652
Equipment ID	Bru-90 SB
Comments	

C18 Marine Port (C1J00652)

Parameter	Value
Equipment ID	Bru-90 SB
Engine Serial Number	C1J00652
ECM Serial Number	32056064IK
Personality Module Part Number	2718706-00
Personality Module Release Date	OCT05
Personality Module Description	C18 MEUI

Logged Diagnostic Codes [Diagnostic Clock = 9099 hours] - C18 Marine Port (C1J00652)

Code	Description	Occ.	First	Last
127- 3	Transmission Oil Pressure Sensor : Voltage Above Normal	1	9099	9099
177- 3	Transmission Oil Temperature Sensor : Voltage Above Normal	1	9099	9099

Logged Event Codes [Diagnostic Clock = 9099 hours] - C18 Marine Port (C1J00652)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - C18 Marine Port (C1J00652)

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 (C1J00652)

Description	Value	Unit
Total Time	9099	hours
Total Idle Time	3592:03	hours
Total Fuel	284255	L
Total Idle Fuel	37520	L
Total Max Fuel	754672	L
Average Load Factor	34	%

Total Operating Hours	9100	hours
Engine Starts	1434	
Lifetime Total Engine Revolutions	635371852	rev
Starts/Hour	0,16	
Percentage Idle Time	39,48	%
Average RPM	1163,81	rpm
Average Fuel Rate	31,24	L/h
Overall Load Factor	37	%

Configuration - C18 Marine Port (C1J00652)

Description	Value	Unit
Equipment ID	Bru-90 SB	
Engine Serial Number	C1J00652	
ECM Serial Number	32056064IK	
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	-53	
FTS	26	
Customer Password #1	*****	
Customer Password #2	*****	
Total Tattletale	520	
LSS Delta	200	rpm/s
LSS Timeout	5	sec

LSS Bump Speed	700	rpm
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Lifetime: Time vs Engine Coolant Temperature - C18 Marine Port (C1J00652)

Engine Coolant Temperature(Deg C)	hours	%
<50,0	116,15	1,28
50,0-54,0	24,85	0,27
55,0-59,0	30,60	0,34
60,0-64,0	39,15	0,43
65,0-69,0	60,15	0,66
70,0-74,0	138,25	1,52
75,0-79,0	348,80	3,83
80,0-84,0	8239,50	90,49
85,0-89,0	107,80	1,18
90,0-94,0	0,15	0,00
95,0-99,0	0,15	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 (C1J00652)

Inlet Air Temperature(Deg C)	hours	%
<40,0	4284,60	77,92
40,0-44,0	987,55	17,96
45,0-49,0	171,45	3,12
50,0-54,0	27,75	0,50
55,0-59,0	16,05	0,29
60,0-64,0	9,20	0,17
65,0-69,0	1,85	0,03
70,0-74,0	0,00	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 (C1J00652)

Boost Pressure(kPa)	hours	%
<110,0	5498,65	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 (C1J00652)

rpm	<1100	1100-1299	1300-1499	1500-1699	1700-1899	1900-2099	2100-2299	>2300	Total
%									
<50,0	3001,05	1212,25	2081,10	4,40	0,10	0,00	0,00	0,00	6298,90
50,0-59,9	5,60	67,35	977,15	759,25	0,20	0,00	0,00	0,00	1809,55
60,0-69,9	0,80	8,90	52,95	291,95	0,50	0,00	0,00	0,00	355,10
70,0-79,9	0,00	0,10	12,85	93,95	34,90	0,00	0,00	0,00	141,80
80,0-89,9	0,00	0,00	0,55	10,80	24,50	0,00	0,00	0,00	35,85
>90,0	0,00	0,00	0,00	21,70	33,20	0,00	0,00	0,00	54,90
Total	3007,45	1288,60	3124,60	1182,05	93,40	0,00	0,00	0,00	8696,10

Lifetime: Total Occurrences vs Engine Speed - C18 Marine Port (C1J00652)

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 (C1J00652)

Engine Speed(rpm)	hours	%
<1100,0	3007,45	34,58
1100,0-1299,0	1288,70	14,82
1300,0-1499,0	3124,65	35,93
1500,0-1699,0	1182,20	13,59
1700,0-1899,0	93,50	1,08
1900,0-2099,0	0,05	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 (C1J00652)

Engine Load Factor(%)	hours	%
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<50,0	6299,00	72,43
50,0-59,0	1809,60	20,81
60,0-69,0	355,20	4,08
70,0-79,0	141,90	1,63
80,0-89,0	35,95	0,41
>90,0	54,95	0,63

Trip: Time vs Engine Speed - C18 Marine Port (C1J00652)

Engine Speed(rpm)	hours	%
<1100,0	3007,45	34,58
1100,0-1299,0	1288,70	14,82
1300,0-1499,0	3124,65	35,93
1500,0-1699,0	1182,20	13,59
1700,0-1899,0	93,50	1,08
1900,0-2099,0	0,05	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 (C1J00652)

Engine Load Factor(%)	hours	%
<50,0	6299,00	72,43
50,0-59,0	1809,60	20,81
60,0-69,0	355,20	4,08
70,0-79,0	141,90	1,63
80,0-89,0	35,95	0,41
>90,0	54,95	0,63

Monitoring System - C18 Marine Port (C1J00652)

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 (C1J00652)

Injector	Code
Injector 1	2207
Injector 2	1547
Injector 3	6605
Injector 4	9812
Injector 5	2755
Injector 6	3520

Trip Segment - C18 Marine Port (C1J00652)

Description	Value	Unit
Time	9099:46	hours
Fuel	284255,1	L
Idle Time	3592:03	hours
Idle Fuel	37519,6	L
% Idle Time	Unavailable	hours
Total Fuel / Total Rated Fuel	Unavailable	%
Start Time	0:00	hours
End Time	9099:46	hours

Maintenance Indicator - C18 Marine Port (C1J00652)

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