

Cat Electronic Technician 2022C v1.0

Product Status Report

4/6/2023 2:35 PM

Product Status Report

Parameter	Value
Engine Serial Number	BEM04595
Equipment ID	NOT PROGRAMMED
Comments	

C-15 IND (BEM04595)

Parameter	Value
Equipment ID	NOT PROGRAMMED
Engine Serial Number	BEM04595
ECM Serial Number	29446141IG
Personality Module Part Number	2497271-00
Personality Module Release Date	MAR04

Logged Diagnostic Codes [Diagnostic Clock = 3727 hours] - C-15 IND (BEM04595)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 3727 hours] - C-15 IND (BEM04595)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - C-15 IND (BEM04595)

Code	Description
No Active Diagnostic Codes	

Current Totals - C-15 IND (BEM04595)

Description	Value	Unit
Total Time	3727	hours
Total Idle Time	1183:17	hours
Total Fuel	36200	gal
Total Idle Fuel	1149	gal
Total Max Fuel	58349	gal
Average Load Factor	61	%

Configuration - C-15 IND (BEM04595)

Description	Value	Unit
Equipment ID	NOT PROGRAMMED	
Engine Serial Number	BEM04595	
ECM Serial Number	29446141IG	
Personality Module Part Number	2497271-00	
Software Group Release Date	Mar2004	
Rating Number	2	
Rated Power	451 hp at 2100 rpm	
Rated Peak Torque	1520 lb-ft at 1400 rpm	
Top Engine Speed Range	600 - 2310 rpm	
Test Spec	0K2368	
Top Engine Limit	2100	rpm
Engine Acceleration Rate	500	rpm/s
Low Idle Speed	900	rpm
PTO Mode	Ramp Up/Ramp Down	
High Idle Speed	2300	rpm
Intermediate Engine Speed	1100.0	rpm
Engine Power Trim	3.0	%
Maximum Engine Torque Limit	1435	lb-ft
Ether Control	Disabled	
Air Shutoff	Disabled	
Maintenance Indicator Mode	Off	
PM1 Interval	0	gal
Throttle Position Sensor	Not Installed	
Coolant Level Sensor	Not Installed	
Direct Fuel Control Mode	Disabled	
Engine Retarder Enable Command	Disabled	
Auxiliary Temperature Sensor Installation Status	Not Installed	
Auxiliary Pressure Sensor Installation Status	Not Installed	
Desired Speed Input Configuration	PWM	
Throttle Input Low Idle Duty Cycle Setpoint	Unavailable	%
Throttle Input High Idle Duty Cycle Setpoint	Unavailable	%
FLS	30	
FTS	-17	
Customer Password #1	*****	
Customer Password #2	*****	
Last Tool to Change Customer Parameters	WB056386	
Last Tool to Change System Parameters	ET007474	
Total Tattletale	9	
HI%SET	90.0	%
LO%SET	10.0	%

Lifetime: Time vs Engine Coolant Temperature - C-15 IND (BEM04595)

Engine Coolant Temperature(Deg F)	hours	%
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<122.0	293.95	7.97
122.0-130.0	78.30	2.12
131.0-139.0	83.55	2.26
140.0-148.0	75.50	2.05
149.0-157.0	93.30	2.53
158.0-166.0	121.35	3.29
167.0-175.0	155.70	4.22
176.0-184.0	316.30	8.57
185.0-193.0	2019.50	54.75
194.0-202.0	317.20	8.60
203.0-211.0	90.55	2.45
212.0-220.0	38.45	1.04
221.0-229.0	5.25	0.14
230.0-238.0	0.00	0.00
239.0-247.0	0.00	0.00
>248.0	0.00	0.00

Lifetime: Time vs Inlet Air Temperature - C-15 IND (BEM04595)

Inlet Air Temperature(Deg F)	hours	%
<104.0	686.00	53.09
104.0-112.0	223.55	17.30
113.0-121.0	189.75	14.69
122.0-130.0	118.80	9.19
131.0-139.0	50.35	3.90
140.0-148.0	13.85	1.07
149.0-157.0	6.55	0.51
158.0-166.0	2.45	0.19
167.0-175.0	0.50	0.04
176.0-184.0	0.25	0.02
185.0-193.0	0.00	0.00
194.0-202.0	0.00	0.00
203.0-211.0	0.00	0.00
>212.0	0.00	0.00

Lifetime: Time vs Boost Pressure - C-15 IND (BEM04595)

Boost Pressure(psi)	hours	%
<16.0	490.70	37.98
16.0-16.4	163.40	12.65
17.4-17.9	223.20	17.27
18.9-19.3	173.50	13.43
20.3-20.8	95.75	7.41
21.8-22.2	60.70	4.70
23.2-23.7	48.65	3.77
24.7-25.1	34.00	2.63
26.1-26.6	2.25	0.17
27.6-28.0	0.00	0.00
29.0-29.5	0.00	0.00
30.5-30.9	0.00	0.00

31.9-32.4	0.00	0.00
>33.4	0.00	0.00

Lifetime: Time vs Engine Speed And Engine Load Factor - C-15 IND (BEM04595)

rpm	<1100	1100-1299	1300-1499	1500-1699	1700-1899	1900-2099	2100-2299	>2300	Total
%									
<50.0	552.20	18.35	13.60	10.60	15.20	17.05	13.95	6.30	647.25
50.0-59.9	0.20	0.00	0.00	0.00	1.15	1.75	34.85	122.20	160.15
60.0-69.9	0.60	0.55	0.25	0.00	1.05	1.45	270.25	327.60	601.75
70.0-79.9	0.10	0.00	0.30	0.30	1.50	1.45	354.10	0.00	357.75
80.0-89.9	0.20	0.00	0.00	0.30	1.60	2.15	220.45	0.00	224.70
>90.0	0.60	0.75	4.85	34.00	155.70	367.15	396.00	0.00	959.05
Total	553.90	19.65	19.00	45.20	176.20	391.00	1289.60	456.10	2950.65

Lifetime: Total Occurrences vs Engine Speed - C-15 IND (BEM04595)

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 - C-15 IND (BEM04595)

Engine Speed(rpm)	hours	%
<1100.0	554.05	18.77
1100.0-1299.0	19.80	0.67
1300.0-1499.0	19.15	0.65
1500.0-1699.0	45.35	1.54
1700.0-1899.0	176.30	5.97
1900.0-2099.0	391.15	13.25
2100.0-2299.0	1289.70	43.69
>2300.0	456.15	15.45

Lifetime: Time vs Engine Load Factor - C-15 IND (BEM04595)

Engine Load Factor(%)	hours	%
<50.0	647.50	21.94
50.0-59.0	160.35	5.43
60.0-69.0	601.95	20.39
70.0-79.0	357.90	12.13

80.0-89.0	224.80	7.62
>90.0	959.20	32.50

Trip: Time vs Engine Speed - C-15 IND (BEM04595)

Engine Speed(rpm)	hours	%
<1100.0	554.05	18.77
1100.0-1299.0	19.80	0.67
1300.0-1499.0	19.15	0.65
1500.0-1699.0	45.35	1.54
1700.0-1899.0	176.30	5.97
1900.0-2099.0	391.15	13.25
2100.0-2299.0	1289.70	43.69
>2300.0	456.15	15.45

Trip: Time vs Engine Load Factor - C-15 IND (BEM04595)

Engine Load Factor(%)	hours	%
<50.0	647.50	21.94
50.0-59.0	160.35	5.43
60.0-69.0	601.95	20.39
70.0-79.0	357.90	12.13
80.0-89.0	224.80	7.62
>90.0	959.20	32.50

Monitoring System - C-15 IND (BEM04595)

Description	State	Trip Point	Delay Time
Engine Overspeed			
Least Severe (1)	On	2500 rpm	1 sec
Most Severe (3)	On	2500 rpm	1 sec
High Auxiliary Pressure			
Least Severe (1)	Off	218 psi	4 sec
Moderate Severity (2)	Off	218 psi	3 sec
Most Severe (3)	Off	218 psi	3 sec
High Auxiliary Temperature			
Least Severe (1)	Off	221 Deg F	4 sec
Moderate Severity (2)	Off	223 Deg F	4 sec
Most Severe (3)	Off	225 Deg F	4 sec
High Engine Coolant Temperature			
Least Severe (1)	On	221 Deg F	4 sec
Moderate Severity (2)	Off	223 Deg F	4 sec
Most Severe (3)	On	225 Deg F	4 sec
High Engine Inlet Air Temperature			
Least Severe (1)	On	167.0 Deg F	4 sec
Moderate Severity (2)	On	174.2 Deg F	4 sec
High Fuel Filter Pressure Restriction			
Least Severe (1)	Off	None	10 sec

Moderate Severity (2)	Off	None	10 sec
Most Severe (3)	Off	None	10 sec
High Fuel Pressure			
Least Severe (1)	Off	None	2 sec
High Fuel Temperature			
Least Severe (1)	On	176.0 Deg F	4 sec
Moderate Severity (2)	On	195.8 Deg F	3 sec
Most Severe (3)	Off	195.8 Deg F	3 sec
Low Coolant Level			
Least Severe (1)	On	None	10 sec
Moderate Severity (2)	On	None	10 sec
Most Severe (3)	Off	None	10 sec
Low Engine Oil Pressure			
Least Severe (1)	On	None	8 sec
Moderate Severity (2)	Off	None	8 sec
Most Severe (3)	Off	None	10 sec

Injector Codes Calibration - C-15 IND (BEM04595)

Injector	Code
Injector 1	3971
Injector 2	3851
Injector 3	3536
Injector 4	5311
Injector 5	4636
Injector 6	3641

Job Segment - C-15 IND (BEM04595)

Description	Value	Unit
Time	3727:18	hours
Fuel	36199.8	gal
Idle Time	1183:18	hours
Idle Fuel	1148.6	gal
% Idle Time	Unavailable	hours
Total Fuel / Total Rated Fuel	Unavailable	%
Start Time	0:00	hours
End Time	3727:18	hours

Maintenance Indicator - C-15 IND (BEM04595)

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