

Cat Electronic Technician 2016B v1.0 Product Status Report

1/11/2017 9:22 AM

Product Status Report

Parameter	Value
Engine Serial Number	7RN01418
Equipment ID	000000000000000000
Comments	

3516B Engine - Genset #1 (7RN01418)

Parameter	Value
Equipment ID	000000000000000000
Engine Serial Number	7RN01418
ECM Serial Number	11200062CD
Personality Module Part Number	1808677-00
Personality Module Release Date	Apr99
Personality Module Description	GEN 3516

Logged Diagnostic Codes [Diagnostic Clock = 3735 hours] - 3516B Engine - Genset #1 (7RN01418)

Code	Description	Occ.	First	Last
94- 2	Fuel Delivery Pressure Sensor : Erratic, Intermittent, or Incorrect	3	3707	3735
289- 2	Fuel Pressure Sensor - Before Fuel Filter : Erratic, Intermittent, or Incorrect	3	3707	3735

Logged Event Codes [Diagnostic Clock = 3735 hours] - 3516B Engine - Genset #1 (7RN01418)

Code	Description	Occ.	First	Last

E009	High Altitude Derate	5	121	2381
E038	Low Engine Coolant Temperature Warning	95	18	2754
E040	Low Engine Oil Pressure Shutdown	1	2767	2767
E043	Low System Voltage Warning	41	121	2880
E095	Fuel Filter Restriction Warning	121	340	3728
E099	Engine Oil Filter Restriction Warning	2	689	2767
E100	Low Engine Oil Pressure Warning	1	2767	2767

Active Diagnostic Codes - 3516B Engine - Genset #1 (7RN01418)

Code	Description
91- 8	Throttle Position Sensor : Abnormal Frequency, Pulse Width, or Period

Current Totals - 3516B Engine - Genset #1 (7RN01418)

Description	Value	Unit
Total Time	3735	hours
Total Fuel	146274	gal

Configuration - 3516B Engine - Genset #1 (7RN01418)

Description	Value	Unit
Equipment ID	000000000000000000	
Engine Serial Number	7RN01418	
Fuel Ratio Control Offset	0	
ECM Serial Number	11200062CD	
Personality Module Part Number	1808677-00	
Personality Module Release Date	Apr99	
FLS	Unavailable	
FTS	Unavailable	
Rated Engine Speed	1800	rpm
Rated Fuel Position	24.400	mm
Acceleration Delay Time	0	sec
Engine Acceleration Rate	250	rpm/s
Low Idle Speed	900	rpm
Cooldown Speed	810	rpm
Cooldown Duration	0	min

Engine Pre-Lube Duration	0	sec
Crank Duration	0	sec
Maximum Number of Crank Cycles	0	
Crank Terminate RPM	400	rpm
Air Shutoff	Disabled	
Ether Control	Disabled	
Engine Cooling System Config	SCAC (Separate Circuit Aftercooled)	
Fuel Correction Factor	0	%
Cat Data Link #2 Identifier	Engine Control #1	
Cold Cylinder Cutout	Disabled	
Total Tattletale	2	

Lifetime: Time vs Engine Speed - 3516B Engine - Genset #1 (7RN01418)

Engine Speed(rpm)	hours	%
<400	2.75	0.07
400-499	0.55	0.01
500-599	0.55	0.01
600-699	0.50	0.01
700-799	0.45	0.01
800-899	10.75	0.29
900-999	16.05	0.43
1000-1099	0.40	0.01
1100-1199	0.35	0.01
1200-1299	0.35	0.01
1300-1399	0.35	0.01
1400-1499	0.30	0.01
1500-1599	0.30	0.01
1600-1699	0.35	0.01
1700-1799	1128.95	30.24
1800-1899	2570.50	68.85
1900-1999	0.20	0.01
>2000	0.00	0.00

Lifetime: Time vs Engine Load Factor - 3516B Engine - Genset #1 (7RN01418)

Engine Load Factor(%)	hours	%
0-4	680.15	18.22

5-9	160.25	4.29
10-14	403.00	10.79
15-19	343.75	9.21
20-24	652.85	17.49
25-29	232.15	6.22
30-34	55.10	1.48
35-39	207.20	5.55
40-44	205.50	5.50
45-49	140.25	3.76
50-54	331.05	8.87
55-59	165.55	4.43
60-64	76.85	2.06
65-69	15.45	0.41
70-74	4.80	0.13
75-79	8.50	0.23
80-84	5.40	0.14
85-89	41.55	1.11
90-94	0.75	0.02
95-99	1.35	0.04
>100	2.10	0.06

**Lifetime: Time vs Left Exhaust Temperature - 3516B Engine - Genset #1
(7RN01418)**

Left Exhaust Temperature(Deg F)	hours	%
<842	2675.50	71.66
842-868	194.05	5.20
869-895	199.25	5.34
896-922	203.00	5.44
923-949	182.05	4.88
950-976	125.45	3.36
977-1003	66.20	1.77
1004-1030	27.20	0.73
1031-1057	4.55	0.12
1058-1084	6.35	0.17
1085-1111	6.05	0.16
1112-1138	15.90	0.43
1139-1165	26.55	0.71

1166-1192	0.55	0.01
1193-1219	0.90	0.02
1220-1246	0.10	0.00
1247-1273	0.00	0.00
1274-1300	0.00	0.00
1301-1327	0.00	0.00
1328-1354	0.00	0.00
1355-1381	0.00	0.00
1382-1408	0.00	0.00
>1409	0.00	0.00

**Lifetime: Time vs Right Exhaust Temperature - 3516B Engine - Genset #1
(7RN01418)**

Right Exhaust Temperature(Deg F)	hours	%
<842	2721.40	72.89
842-868	181.50	4.86
869-895	178.15	4.77
896-922	221.80	5.94
923-949	161.05	4.31
950-976	133.75	3.58
977-1003	42.55	1.14
1004-1030	32.60	0.87
1031-1057	4.80	0.13
1058-1084	7.55	0.20
1085-1111	8.75	0.23
1112-1138	22.30	0.60
1139-1165	16.35	0.44
1166-1192	0.15	0.00
1193-1219	0.85	0.02
1220-1246	0.10	0.00
1247-1273	0.00	0.00
1274-1300	0.00	0.00
1301-1327	0.00	0.00
1328-1354	0.00	0.00
1355-1381	0.00	0.00
1382-1408	0.00	0.00
>1409	0.00	0.00

Monitoring System - 3516B Engine - Genset #1 (7RN01418)

Description	State	Trip Point	Delay Time
Altitude (atmospheric pressure)			
Moderate Severity (2)	On	11.5 psi	0 sec
Engine Overspeed			
Least Severe (1)	On	2124 rpm	0 sec
Most Severe (3)	On	2124 rpm	0 sec
High Aftercooler Coolant Temperature			
Least Severe (1)	On	216 Deg F	5 sec
Moderate Severity (2)	On	225 Deg F	5 sec
Most Severe (3)	On	225 Deg F	5 sec
High Air Filter Restriction Pressure			
Least Severe (1)	On	28.1 " H2O	5 sec
Moderate Severity (2)	On	28.1 " H2O	5 sec
High Crankcase Pressure			
Least Severe (1)	On	8.0 " H2O	3 sec
Moderate Severity (2)	On	24.1 " H2O	10 sec
Most Severe (3)	On	14.1 " H2O	3 sec
High Engine Coolant Temperature			
Least Severe (1)	On	216 Deg F	5 sec
Moderate Severity (2)	On	225 Deg F	30 sec
Most Severe (3)	On	225 Deg F	5 sec
High Engine Oil Filter Restriction Pressure			
Least Severe (1)	On	15 psi	5 sec
High Exhaust Temperature			
Least Severe (1)	On	1393 Deg F	5 sec
Moderate Severity (2)	On	1393 Deg F	5 sec
High Fuel Filter Restriction Pressure			
Least Severe (1)	On	15 psi	5 sec
Low Engine Coolant Temperature			
Least Severe (1)	On	149 Deg F	5 sec
Low Engine Oil Pressure			
Least Severe (1)	On	None	4 sec
Most Severe (3)	On	None	9 sec
Low System Voltage			
Least Severe (1)	On	20 Volts	10 sec

Injector Codes Calibration - 3516B Engine - Genset #1 (7RN01418)

Injector	Code
Injector 1	4747
Injector 2	3962
Injector 3	4952
Injector 4	4320
Injector 5	6947
Injector 6	3867
Injector 7	7621
Injector 8	3537
Injector 9	6720
Injector 10	5646
Injector 11	5832
Injector 12	4520
Injector 13	2565
Injector 14	2320
Injector 15	2455
Injector 16	3422

Genset Control #1

Parameter	Value
Module ID	\$58
Application ID	\$60
Data Link ID	\$10

Logged Diagnostic Codes [Diagnostic Clock = 3735 hours] - Genset Control #1

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Active Diagnostic Codes - Genset Control #1

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Code	Description
No Active Codes	