

Cat Electronic Technician 2016C v1.0

Product Status Report

7/4/2017 2:09 PM

Product Status Report

Parameter	Value
Engine Serial Number	S2P00195
Equipment ID	NOT PROGRAMMED
Comments	GEN 3

3516B Engine - Genset #1 (S2P00195)

Parameter	Value
Equipment ID	NOT PROGRAMMED
Engine Serial Number	S2P00195
ECM Serial Number	11586941JP
Personality Module Part Number	3050823-00
Personality Module Release Date	NOV06
Personality Module Description	GENSET

Logged Diagnostic Codes [Diagnostic Clock = 1.7500 hours] - 3516B Engine - Genset #1 (S2P00195)

Code	Description	Occ.	First	Last
94- 2	Fuel Delivery Pressure Sensor : Erratic, Intermittent, or Incorrect	1	1	1
289- 2	Fuel Pressure Sensor - Before Fuel Filter : Erratic, Intermittent, or Incorrect	1	1	1

Logged Event Codes [Diagnostic Clock = 1.7500 hours] - 3516B Engine - Genset #1 (S2P00195)

Code	Description	Occ.	First	Last
E038 (1)	Low Engine Coolant Temperature Warning	1	1	1
E264 (3)	Emergency Stop Activated	2	1	1

Active Diagnostic Codes - 3516B Engine - Genset #1 (S2P00195)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - 3516B Engine - Genset #1 (S2P00195)

Code	Description
E264 (3)	Emergency Stop Activated

Current Totals - 3516B Engine - Genset #1 (S2P00195)

Description	Value	Unit
Total Time	1	hours

Total Fuel	62	gal
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Configuration - 3516B Engine - Genset #1 (S2P00195)

Description	Value	Unit
Equipment ID	NOT PROGRAMMED	
Engine Serial Number	S2P00195	
ECM Serial Number	11586941JP	
Personality Module Part Number	3050823-00	
Personality Module Release Date	NOV06	
Rated Engine Speed	1200	rpm
Fuel Ratio Control Offset	0	
Acceleration Delay Time	0	sec
Engine Acceleration Rate	250	rpm/s
Low Idle Speed	900	rpm
Cooldown Speed	850	rpm
Cooldown Duration	5	min
Engine Pre-Lube Duration	0	sec
Engine Pre-Lube System Configuration	Automatic	
Engine Continuous Pre-Lube Interval	0	min
Crank Duration	0	sec
Maximum Number of Crank Cycles	0	
Crank Terminate RPM	400	rpm
Engine Speed Droop	0.0	%
Rated Fuel Position	27.200	mm
Fuel Correction Factor	0	%
Governor Gain Factor #1	26214	
Governor Minimum Stability Factor #1	629	
Governor Maximum Stability Factor #1	7864	
FLS	0	
FTS	0	
Air Shutoff	Enabled	
Air Intake Shutoff Detection Installation Status	Installed	
Ether Control	Disabled	
Engine Cooling System Config	SCAC (Separate Circuit Aftercooled)	
Cold Cylinder Cutout	Disabled	
Direct Fuel Control Mode	Enabled	
Desired Speed Input Configuration	PWM	
Throttle Air Pressure Sensor Installation Status	Unavailable	
Throttle Input Low Idle Duty Cycle Setpoint	Unavailable	%
Throttle Input High Idle Duty Cycle Setpoint	Unavailable	%
Secondary Desired Speed Input Configuration	Not Installed	
Fuel Enable Input Configuration	Switch to Ground	
Secondary Fuel Enable Input Enable Status	Enabled	
Coolant Level Sensor	Not Installed	

Aftercooler Coolant Level Sensor Installation Status	Not Installed	
Cat Data Link #2 Identifier	Engine Control #1	
Inlet Air Temperature Sensor	Not Installed	
Engine Oil Temperature Sensor Installation Status	Not Installed	
Total Tattletale	10	

Lifetime: Time vs Engine Speed - 3516B Engine - Genset #1 (S2P00195)

Engine Speed(rpm)	hours	%
<400	0.10	6.06
400-499	0.00	0.00
500-599	0.00	0.00
600-699	0.00	0.00
700-799	0.00	0.00
800-899	0.05	3.03
900-999	0.35	21.21
1000-1099	0.05	3.03
1100-1199	0.50	30.30
1200-1299	0.60	36.36
1300-1399	0.00	0.00
1400-1499	0.00	0.00
1500-1599	0.00	0.00
1600-1699	0.00	0.00
1700-1799	0.00	0.00
1800-1899	0.00	0.00
1900-1999	0.00	0.00
>2000	0.00	0.00

Lifetime: Time vs Engine Load Factor - 3516B Engine - Genset #1 (S2P00195)

Engine Load Factor(%)	hours	%
<5	0.00	0.00
5-9	0.00	0.00
10-14	0.25	17.24
15-19	0.05	3.45
20-24	0.15	10.34
25-29	0.30	20.69
30-34	0.00	0.00
35-39	0.05	3.45
40-44	0.20	13.79
45-49	0.00	0.00
50-54	0.00	0.00
55-59	0.00	0.00
60-64	0.05	3.45
65-69	0.00	0.00
70-74	0.00	0.00
75-79	0.05	3.45
80-84	0.05	3.45

85-89	0.10	6.90
90-94	0.00	0.00
95-99	0.00	0.00
>100	0.20	13.79

Lifetime: Time vs Right Exhaust Temperature - 3516B Engine - Genset #1 (S2P00195)

Right Exhaust Temperature(Deg F)	hours	%
<842	1.35	87.10
842-868	0.00	0.00
869-895	0.05	3.23
896-922	0.00	0.00
923-949	0.00	0.00
950-976	0.05	3.23
977-1003	0.00	0.00
1004-1030	0.00	0.00
1031-1057	0.05	3.23
1058-1084	0.00	0.00
1085-1111	0.00	0.00
1112-1138	0.00	0.00
1139-1165	0.05	3.23
1166-1192	0.00	0.00
1193-1219	0.00	0.00
1220-1246	0.00	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 Left Exhaust Temperature - 3516B Engine - Genset #1 (S2P00195)

Left Exhaust Temperature(Deg F)	hours	%
<842	1.35	87.10
842-868	0.05	3.23
869-895	0.00	0.00
896-922	0.00	0.00
923-949	0.05	3.23
950-976	0.00	0.00
977-1003	0.05	3.23
1004-1030	0.00	0.00
1031-1057	0.05	3.23
1058-1084	0.00	0.00
1085-1111	0.00	0.00
1112-1138	0.00	0.00
1139-1165	0.00	0.00

1166-1192	0.00	0.00
1193-1219	0.00	0.00
1220-1246	0.00	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

Histogram - 3516B Engine - Genset #1 (S2P00195)

Error retrieving Histogram data

Monitoring System - 3516B Engine - Genset #1 (S2P00195)

Description	State	Trip Point	Delay Time
<u>Altitude (atmospheric pressure)</u>			
Moderate Severity (2)	On	11.7 psi	0 sec
<u>Engine Overspeed</u>			
Least Severe (1)	On	1380 rpm	0 sec
Most Severe (3)	On	1380 rpm	0 sec
<u>High Aftercooler Coolant Temperature</u>			
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
<u>High Air Filter Restriction Pressure</u>			
Least Severe (1)	On	28.1 " H2O	5 sec
Moderate Severity (2)	On	28.1 " H2O	5 sec
<u>High Boost Pressure</u>			
Least Severe (1)	Off	58.0 psi	0 sec
Moderate Severity (2)	Off	58.0 psi	0 sec
<u>High Crankcase Pressure</u>			
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
<u>High Engine Coolant Temperature</u>			
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
<u>High Engine Oil Filter Restriction Pressure</u>			
Least Severe (1)	On	15 psi	5 sec
<u>High Exhaust Temperature</u>			
Least Severe (1)	On	1342 Deg F	5 sec

Moderate Severity (2)	On	1342 Deg F	5 sec
High Fuel Filter Restriction Pressure			
Least Severe (1)	On	15 psi	5 sec
Low Aftercooler Coolant Level			
Least Severe (1)	On	None	30 sec
Low Coolant Level			
Least Severe (1)	On	None	30 sec
Low Engine Coolant Temperature			
Least Severe (1)	On	176 Deg F	5 sec
Low Engine Oil Pressure			
Least Severe (1)	On	None	4 sec
Most Severe (3)	On	None	9 sec
Low Fuel Pressure			
Most Severe (3)	On	32 psi	20 sec
Low System Voltage			
Least Severe (1)	On	20 Volts	10 sec

Injector Codes Calibration - 3516B Engine - Genset #1 (S2P00195)

Injector	Code
Injector 1	2437
Injector 2	3129
Injector 3	2883
Injector 4	3416
Injector 5	2755
Injector 6	3870
Injector 7	3742
Injector 8	3431
Injector 9	4734
Injector 10	3868
Injector 11	5960
Injector 12	2646
Injector 13	3306
Injector 14	5321
Injector 15	1436
Injector 16	2108