

Cat Electronic Technician 2022A v1.0

Product Status Report

4/13/2022 10:36 AM

Product Status Report

Parameter	Value
Engine Serial Number	CTW00231
Equipment ID	abcdefghijklmnpq
Comments	

ITSM

Parameter	Value
Personality Module Part Number	2755389-01
Personality Module Release Date	Apr05
Personality Module Description	ITSM VER 0.1
ITSM Application Type	V16,2 Turbos

Logged Diagnostic Codes [Diagnostic Clock = 526766:33:45 hours] - ITSM

Code	Description	Occ.	First	Last
1536- 5	Engine Cylinder #6 Exhaust Port Temperature Sensor : Current Below Normal	1	526818:29:39	526818:29:39
1545- 5	Engine Cylinder #15 Exhaust Port Temperature Sensor : Current Below Normal	2	526781:23:05	526818:27:20
1534- 5	Engine Cylinder #4 Exhaust Port Temperature Sensor : Current Below Normal	1	526818:25:26	526818:25:26
1541- 5	Engine Cylinder #11 Exhaust Port Temperature Sensor : Current Below Normal	2	526781:25:07	526781:33:40
1538- 5	Engine Cylinder #8 Exhaust Port Temperature Sensor : Current Below Normal	2	526781:24:34	526781:33:11
1490- 5	Right Turbo Turbine Outlet Temperature Sensor : Current Below Normal	3	526781:26:10	526781:32:28
1546- 5	Engine Cylinder #16 Exhaust Port Temperature Sensor : Current Below Normal	3	526781:30:28	526781:32:12
1541- 4	Engine Cylinder #11 Exhaust Port Temperature Sensor : Voltage Below Normal	2	526781:31:32	526781:32:11
1489- 5	Left Turbo Turbine Outlet Temperature Sensor : Current Below Normal	4	526781:26:52	526781:31:41
1489- 4	Left Turbo Turbine Outlet Temperature Sensor : Voltage Below Normal	1	526781:30:07	526781:30:07
1492- 5	Left Turbo Turbine Inlet Temperature Sensor : Current Below Normal	4	526781:23:45	526781:28:00
1490- 4	Right Turbo Turbine Outlet Temperature Sensor : Voltage Below Normal	1	526781:27:11	526781:27:11
1546- 4	Engine Cylinder #16 Exhaust Port Temperature Sensor : Voltage Below Normal	1	526781:26:41	526781:26:41

1492- 4	Left Turbo Turbine Inlet Temperature Sensor : Voltage Below Normal	2	526781:22:52	526781:25:40
1531- 5	Engine Cylinder #1 Exhaust Port Temperature Sensor : Current Below Normal	2	526781:23:05	526781:25:34
1540- 5	Engine Cylinder #10 Exhaust Port Temperature Sensor : Current Below Normal	1	526781:25:32	526781:25:32
1531- 4	Engine Cylinder #1 Exhaust Port Temperature Sensor : Voltage Below Normal	2	526781:22:56	526781:24:00
1535- 5	Engine Cylinder #5 Exhaust Port Temperature Sensor : Current Below Normal	1	526781:23:36	526781:23:36
1543- 5	Engine Cylinder #13 Exhaust Port Temperature Sensor : Current Below Normal	1	526781:23:15	526781:23:15
1491- 5	Right Turbo Turbine Inlet Temperature Sensor : Current Below Normal	5	526781:32:06	526765:14:16

Logged Event Codes [Diagnostic Clock = 526766:33:45 hours] - ITSM

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - ITSM

Code	Description
No Active Diagnostic Codes	

Active Event Codes - ITSM

Code	Description
No Active Events	

Configuration - ITSM

Description	Value	Unit
ITSM Application Type	V16,2 Turbos	
Total Tattletale	0	

Monitoring System - ITSM

Description	State	Trip Point	Delay Time
<u>Exhaust Port Temperature High Deviation</u>			
Least Severe (1)	On	90 Deg F	60 sec
Most Severe (3)	On	360 Deg F	10 sec
<u>Exhaust Port Temperature Low Deviation</u>			
Least Severe (1)	On	90 Deg F	60 sec
Most Severe (3)	On	360 Deg F	10 sec
<u>High Exhaust Temperature</u>			
Least Severe (1)	On	1292 Deg F	30 sec
Most Severe (3)	On	1292 Deg F	30 sec

High Turbo Turbine Inlet Temperature			
Least Severe (1)	On	1310 Deg F	30 sec
Most Severe (3)	On	1346 Deg F	30 sec
High Turbo Turbine Outlet Temperature			
Least Severe (1)	On	1157 Deg F	60 sec
Most Severe (3)	On	1157 Deg F	60 sec

G3516 EPG-Standard (CTW00231)

Parameter	Value
Equipment ID	abcdefghijklmnopq
Engine Serial Number	CTW00231
ECM Serial Number	21910069FL
Personality Module Part Number	2884365-00
Personality Module Release Date	FEB07
Personality Module Description	G3516B60 w/CD V1.9 PROD
Number of Engine Cylinders	16

Logged Diagnostic Codes [Diagnostic Clock = 526766:33:45 hours] - G3516 EPG-Standard (CTW00231)

Code	Description	Occ.	First	Last
17-12	Fuel Shutoff Valve : Failure	3	526764:45:43	526766:09:21

Logged Event Codes [Diagnostic Clock = 526766:33:45 hours] - G3516 EPG-Standard (CTW00231)

Code	Description	Occ.	First	Last
E053 (1)	Low Fuel Pressure Warning	1	526766:09:26	526766:09:26
E864 (1)	Low Gas Fuel Differential Pressure	1	526766:09:27	526766:09:27
E096 (1)	High Fuel Pressure	4	526764:33:57	526764:54:08
E865 (1)	High Gas Fuel Differential Pressure	3	526764:32:50	526764:47:23

Active Diagnostic Codes - G3516 EPG-Standard (CTW00231)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - G3516 EPG-Standard (CTW00231)

Code	Description
No Active Events	

Current Totals - G3516 EPG-Standard (CTW00231)

Description	Value	Unit
Total Operating Hours	526767	hours

Configuration - G3516 EPG-Standard (CTW00231)

Description	Value	Unit
Equipment ID	abcdefghijklmnopq	
Engine Serial Number	CTW00231	
First Desired Timing	33.0	Deg
Second Desired Timing	22.0	Deg
Fuel Quality Input Type Configuration	Unavailable	
Fuel Quality	995.00	Btu
Fuel Quality Sensor LHV Lower Setpoint	Unavailable	Btu
Fuel Quality Sensor LHV Upper Setpoint	Unavailable	Btu
Gas Specific Gravity	0.710	
Fuel Specific Heat Ratio	1.270	
Desired Emissions Gain Adjustment Percentage	90.00	%
Air/Fuel Proportional Gain	25	
Air/Fuel Integral Gain	25	
Low Idle Speed	1200	rpm
Minimum Engine High Idle Speed	1500.0	rpm
Maximum Engine High Idle Speed	1925.0	rpm
Engine Acceleration Rate	30	rpm/s
Desired Speed Input Configuration	0-5 VDC Input	
Governor Type Setting	Isochronous	
Engine Speed Droop	0.0	%
Governor Gain Factor	10	
Governor Stability Factor	10	
Governor Compensation Factor	0	
Auxiliary Proportional Governor Gain 1	10	
Auxiliary Integral Governor Gain 1	5	
Auxiliary Derivative Governor Gain 1	5	
Driven Equipment Delay Time	5.0	sec
Crank Terminate RPM	250	rpm
Engine Purge Cycle Time	0	sec
Cooldown Duration	0	min
Cycle Crank Time	15	sec
Engine Overcrank Time	40	sec
Engine Speed Drop Time	15.0	sec
Engine Pre-Lube Time Out Period	30.000	sec
High Inlet Air Temperature Engine Load Set Point	70	%
Impending Shutdown Delay Enable Status	Unavailable	
Impending Shutdown Delay Time	Unavailable	min
Generator Output Power Sensor Scale Factor	0.000	kW/V
Generator Output Power Sensor Offset	0.00	kW
Engine Output Power	1818	hp
Engine Driven Accessory Load Configuration	0	hp
Customer Password #1	*****	

Customer Password #2	*****	
Total Tattletale	1468	

Monitoring System - G3516 EPG-Standard (CTW00231)

Description	State	Trip Point	Delay Time
Engine Overspeed			
Most Severe (3)	Always On	2174 rpm	0 sec
High Eng Oil to Eng Coolant Differential Temp			
Least Severe (1)	Always On	25 Deg F	20 sec
Most Severe (3)	Always On	36 Deg F	20 sec
High Engine Coolant Temperature			
Least Severe (1)	On	228 Deg F	20 sec
Moderate Severity (2)	Off	232 Deg F	20 sec
Most Severe (3)	Always On	235 Deg F	20 sec
High Engine Oil Temperature			
Least Severe (1)	Always On	216 Deg F	20 sec
Most Severe (3)	Always On	219 Deg F	20 sec
High Fuel Pressure			
Least Severe (1)	On	19.6 psi	10 sec
High Fuel Temperature			
Least Severe (1)	On	140.0 Deg F	20 sec
High Gas Fuel Differential Pressure			
Least Severe (1)	On	5.1 psi	10 sec
High Inlet Air Temperature at High Engine Load			
Least Severe (1)	On	147.2 Deg F	20 sec
Moderate Severity (2)	Off	212.0 Deg F	20 sec
Most Severe (3)	Always On	158.0 Deg F	20 sec
High Inlet Air Temperature at Low Engine Load			
Least Severe (1)	On	156.2 Deg F	20 sec
Moderate Severity (2)	Off	212.0 Deg F	20 sec
Most Severe (3)	Always On	176.0 Deg F	20 sec
High Oil Filter Differential Pressure			
Least Severe (1)	Always On	15 psi	10 sec
Most Severe (3)	Always On	20 psi	10 sec
High System Voltage			
Least Severe (1)	On	34.0 Volts	20 sec
Low Engine Coolant Temperature			
Least Severe (1)	On	41 Deg F	20 sec
Low Fuel Pressure			
Least Severe (1)	On	15 psi	10 sec

Low Gas Fuel Differential Pressure			
Least Severe (1)	On	0.7 psi	10 sec
Low Oil Filter Differential Pressure			
Least Severe (1)	Always On	5 psi	10 sec
Most Severe (3)	Always On	1 psi	10 sec
Low System Voltage			
Least Severe (1)	On	20 Volts	20 sec
Most Severe (3)	Always On	18 Volts	10 sec

Genset Control #1

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

Logged Diagnostic Codes [Diagnostic Clock = 2478 hours] - Genset Control #1

Code	Description	Occ.	First	Last
100- 2	Engine Oil Pressure Sensor : Erratic, Intermittent, or Incorrect	1	2531	2531
110- 2	Engine Coolant Temperature Sensor : Erratic, Intermittent, or Incorrect	1	2531	2531
590- 9	Engine Control Module : Abnormal Update Rate	1	2531	2531
336- 2	Engine Control Switch : Erratic, Intermittent, or Incorrect	3	2347	2530

Active Diagnostic Codes - Genset Control #1

Code	Description
No Active Diagnostic Codes	