Cat Electronic Technician 2023C v1.0

Product Status Report

6-11-2026 15:48

Product Status Report

Parameter	Value
Engine Serial Number	ZP201036
Equipment ID	Hornelen
Comments	

C32 ACERT Port (ZP201036)

Parameter	Value
Equipment ID	Hornelen
Engine Serial Number	ZP201036
ECM Serial Number	20708667JV
Software Group Part Number	539848600
Software Group Release Date	SEP17
Software Group Description	C32_TIER2_A4E4V2

Logged Diagnostic Codes [Diagnostic Clock = 28629 hours] - C32 ACERT Port (ZP201036)

Code	Description	Occ.	First	Last
1249- 8	Secondary Throttle Position signal abnormal	1	28629	28629

Logged Event Codes [Diagnostic Clock = 28629 hours] - C32 ACERT Port (ZP201036)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - C32 ACERT Port (ZP201036)

Code	Description
1249- 8	Secondary Throttle Position signal abnormal

Active Event Codes - C32 ACERT Port (ZP201036)

Code	Description
No Active Events	

Current Totals - C32 ACERT Port (ZP201036)

Description	Value	Unit
Total Time	28629	hours
Total Idle Time	490:15	hours
Total Fuel	1225946	L
Total Idle Fuel	3052	L
Total Max Fuel	6778518	L

Average Load Factor	18	%
Total Operating Hours	28630	hours
Engine Starts	115	
Lifetime Total Engine Revolutions	1859970584	rev
Percentage Idle Time	1,71	%
Average RPM	1082,80	rpm
Average Fuel Rate	42,82	L/h
Overall Load Factor	18	%

Configuration - C32 ACERT Port (ZP201036)

Description	Value	Unit
Equipment ID	Hornelen	
Engine Serial Number	ZP201036	
ECM Serial Number	20708667JV	
Software Group Part Number	539848600	
Software Group Release Date	SEP17	
Software Group Description	C32_TIER2_A4E4V2	
Rating Number	5	
Rated Power	746 kW at 1800 rpm	
Rated Peak Torque	4630 N-m at 1300 rpm	
Top Engine Speed Range	1600 - 1944 rpm	
Test Spec	0K0000	
Rated Engine Speed	1800rpm	
Engine Location	Port	
Number of Synchronized Engines Configuration	1	
Low Idle Speed	700	rpm
High Idle Speed	1944	rpm
Maximum Trolling Engine Speed	900	rpm
Tachometer Frequency Configuration	113,0	
System Operating Voltage Configuration	Unavailable	
Cold Cylinder Cutout	Disabled	
Torque Limit Enable Status	Disabled	
Maximum Engine Torque Limit	4700	N-m
Minimum Engine Torque Limit	3994	N-m
Secondary Engine ECM Installation Status	Not Installed	
Cooldown Speed	600	rpm
Cooldown Duration	0	min
Engine Pre-Lube Duration	0	sec
Crank Duration	30	sec
Maximum Number of Crank Cycles	1	
Crank Terminate RPM	400	rpm
Desired Speed Input Configuration	PWM	
Secondary Desired Speed Input Configuration	PWM	
Tertiary Desired Speed Input Configuration	Not Installed	
Transmission Oil Temperature Sensor	Not Installed	
Transmission Oil Pressure Sensor	Not Installed	

Coolant Level Sensor	Not Installed	
Fuel Level Sensor Installation Status	Not Installed	
Aftercooler Coolant Level Sensor Installation Status	Not Installed	
Engine Oil Temperature Sensor Installation Status	Installed	
Engine Coolant Pressure Sensor Installation Status	Installed	
Unfiltered Engine Oil Pressure Sensor Installation Status	Installed	
Unfiltered Fuel Pressure Sensor Installation Status	Installed	
Engine Oil Level Sensor Installation Status	Not Installed	
Left Exhaust Temperature Sensor Installation Status	Installed	
Right Exhaust Temperature Sensor Installation Status	Installed	
Engine Oil Capacity	138,0	L
Fuel Correction Factor	0	%
Maintenance Indicator Mode	Off	
PM1 Interval	0	L
Governor Gain Factor #1	2790	
Governor Minimum Stability Factor #1	110	
Governor Maximum Stability Factor #1	782	
FLS	-38	
FTS	65	
Customer Password #1	**********	
Customer Password #2	**********	
Total Tattletale	38	

Lifetime: Time vs Engine Coolant Temperature - C32 ACERT Port (ZP201036)

Engine Coolant Temperature(Deg C)	hours	%
<50,0	186,50	0,65
50,0-54,0	72,40	0,25
55,0-59,0	71,75	0,25
60,0-64,0	91,30	0,32
65,0-69,0	347,10	1,21
70,0-74,0	8093,70	28,28
75,0-79,0	15274,10	53,37
80,0-84,0	4307,25	15,05
85,0-89,0	172,45	0,60
90,0-94,0	0,10	0,00
95,0-99,0	0,00	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 - C32 ACERT Port (ZP201036)

Inlet Air Temperature(Deg C)	hours	%
<40,0	26620,70	93,03
40,0-44,0	1459,65	5,10
45,0-49,0	400,65	1,40
50,0-54,0	102,85	0,36
55,0-59,0	26,25	0,09
60,0-64,0	6,50	0,02
65,0-69,0	0,10	0,00
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 - C32 ACERT Port (ZP201036)

Boost Pressure(kPa)	hours	%
<80,0	24665,95	86,19
80,0-89,0	663,85	2,32
90,0-99,0	621,25	2,17
100,0-109,0	577,30	2,02
110,0-119,0	487,30	1,70
120,0-129,0	433,55	1,52
130,0-139,0	355,30	1,24
140,0-149,0	312,70	1,09
150,0-159,0	331,15	1,16
160,0-169,0	148,90	0,52
170,0-179,0	19,25	0,07
180,0-189,0	0,05	0,00
190,0-199,0	0,00	0,00
>200,0	0,00	0,00

Lifetime: Time vs Engine Speed And Engine Load Factor - C32 ACERT Port (ZP201036)

rpm	<600	600-799	800-999	1000-1199	1200-1399	1400-1599	1600-1799	>1800	Total
%									
<50,0	2,95	494,70	14587,45	5536,80	2484,15	347,45	97,15	1,20	23551,85
50,0-59,9	0,00	0,00	0,15	164,65	431,30	1027,75	111,50	0,60	1735,95
60,0-69,9	0,00	0,00	0,00	8,20	40,50	1276,50	342,60	1,05	1668,85
70,0-79,9	0,00	0,00	0,00	0,30	3,60	223,70	628,00	2,05	857,65
80,0-89,9	0,00	0,00	0,00	0,05	1,50	12,10	432,75	92,90	539,30
>90,0	0,00	0,00	0,00	0,05	0,65	0,80	162,30	98,65	262,45

Total	2,95	494,70	14587,60	5710,05	2961,70	2888,30	1774,30	196,45	28616,05

Lifetime: Total Occurrences vs Engine Speed - C32 ACERT Port (ZP201036)

Engine Speed(rpm)	Count	%
<2000,0	0	0,00
2000,0-2099,0	0	0,00
2100,0-2199,0	0	0,00
2200,0-2299,0	0	0,00
2300,0-2399,0	0	0,00
2400,0-2499,0	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	0	0,00

Lifetime: Time vs Engine Speed - C32 ACERT Port (ZP201036)

Engine Speed(rpm)	hours	%
<600,0	2,95	0,01
600,0-799,0	494,70	1,73
800,0-999,0	14587,60	50,98
1000,0-1199,0	5710,15	19,95
1200,0-1399,0	2961,80	10,35
1400,0-1599,0	2888,35	10,09
1600,0-1799,0	1774,40	6,20
>1800,0	196,60	0,69

Lifetime: Time vs Engine Load Factor - C32 ACERT Port (ZP201036)

Engine Load Factor(%)	hours	%
<50,0	23552,00	82,30
50,0-59,0	1736,05	6,07
60,0-69,0	1669,00	5,83
70,0-79,0	857,75	3,00
80,0-89,0	539,45	1,89
>90,0	262,50	0,92

Trip: Time vs Engine Speed - C32 ACERT Port (ZP201036)

Engine Speed(rpm)	hours	%
<600,0	2,95	0,01
600,0-799,0	494,70	1,73
800,0-999,0	14587,60	50,98
1000,0-1199,0	5710,15	19,95
1200,0-1399,0	2961,80	10,35
1400,0-1599,0	2888,35	10,09
1600,0-1799,0	1774,40	6,20
>1800,0	196,60	0,69

Trip: Time vs Engine Load Factor - C32 ACERT Port (ZP201036)

Engine Load Factor(%)	hours	%
<50,0	23552,00	82,30
50,0-59,0	1736,05	6,07
60,0-69,0	1669,00	5,83
70,0-79,0	857,75	3,00
80,0-89,0	539,45	1,89
>90,0	262,50	0,92

Lifetime: Time vs Fuel Pressure - C32 ACERT Port (ZP201036)

Fuel Pressure(kPa)	hours	%
<500,0	0,00	0,00
500,0-519,0	0,75	0,00
520,0-539,0	0,70	0,00
540,0-559,0	0,80	0,00
560,0-579,0	61,45	0,21
580,0-599,0	2074,95	7,25
600,0-619,0	5032,30	17,59
620,0-639,0	6131,75	21,43
640,0-659,0	6281,70	21,95
660,0-679,0	2601,30	9,09
680,0-699,0	1699,95	5,94
700,0-719,0	1995,50	6,97
720,0-739,0	1049,00	3,67
>740,0	1686,35	5,89

Injector Trim Calibration - C32 ACERT Port (ZP201036)

Injector	Serial Number	File Version
Injector1	00000000A55275571355	0
Injector2	00000000A552758177B4	0
Injector3	00000000A5525632575D	0
Injector4	00000000A552755559E1	0
Injector5	00000000A552742443A9	0
Injector6	00000000A552730231B4	0
Injector7	00000000A552549757C5	0
Injector8	00000000A55274495745	0
Injector9	00000000A55276144159	0
Injector10	00000000A552815537AA	0
Injector11	00000000A5525039830F	0
Injector12	00000000A55275594724	0

Monitoring System - C32 ACERT Port (ZP201036)

Description	State	Trip Point	Delay Time
Engine Overspeed			
Least Severe (1)	Always On	2070 rpm	0 sec
Most Severe (3)	On	2070 rpm	0 sec
High Engine Coolant Temperature			

Least Severe (1)	Always On	99 Deg C	30 sec
Moderate Severity (2)	Off	104 Deg C	30 sec
Most Severe (3)	Off	109 Deg C	30 sec
High Engine Inlet Air Temperature			
Least Severe (1)	Always On	85,0 Deg C	30 sec
Moderate Severity (2)	Off	90,0 Deg C	30 sec
Most Severe (3)	Off	95,0 Deg C	30 sec
High Engine Oil Temperature			
Least Severe (1)	Off	108 Deg C	5 sec
Moderate Severity (2)	Off	110 Deg C	30 sec
Most Severe (3)	Off	115 Deg C	30 sec
High Exhaust Temperature			
Least Severe (1)	Off	650 Deg C	10 sec
Moderate Severity (2)	Off	660 Deg C	10 sec
Most Severe (3)	Off	660 Deg C	10 sec
High Fuel Filter Restriction Pressure			
Least Severe (1)	Off	240 kPa	30 sec
High Fuel Pressure			
Least Severe (1)	Off	None	2 sec
Most Severe (3)	Off	None	30 sec
High Fuel Temperature			
Least Severe (1)	Off	62,0 Deg C	30 sec
Most Severe (3)	Off	82,0 Deg C	120 sec
High Oil Filter Differential Pressure			
Least Severe (1)	Off	110 kPa	30 sec
High Transmission Oil Pressure			
Least Severe (1)	Off	2412 kPa	10 sec
High Transmission Oil Temperature			
Least Severe (1)	Off	95 Deg C	10 sec
Low Aftercooler Coolant Level			
Least Severe (1)	Off	None	30 sec
Moderate Severity (2)	Off	None	30 sec
Most Severe (3)	Off	None	30 sec
Low Coolant Level			
Least Severe (1)	Off	None	30 sec
Moderate Severity (2)	Off	None	30 sec
Most Severe (3)	Off	None	30 sec
Low Engine Coolant Pressure			
Least Severe (1)	Off	None	30 sec
Moderate Severity (2)	Off	None	130 sec
Low Engine Oil Level			

Least Severe (1)	Off	None	30 sec
Moderate Severity (2)	Off	None	30 sec
Low Engine Oil Pressure			
Least Severe (1)	Always On	None	30 sec
Moderate Severity (2)	Off	None	30 sec
Most Severe (3)	Off	None	30 sec
Low Fuel Level			
Least Severe (1)	Off	13 %	300 sec
Low Fuel Pressure			
Least Severe (1)	Off	None	30 sec
Most Severe (3)	Off	None	30 sec
Low Transmission Oil Pressure			
Least Severe (1)	Off	200 kPa	5 sec
Moderate Severity (2)	Off	200 kPa	5 sec
Most Severe (3)	Off	200 kPa	5 sec

Trip Segment - C32 ACERT Port (ZP201036)

Description	Value	Unit
Time	28629:53	hours
Fuel	1225946,3	L
% Idle Time	2	%
Idle Fuel	3052,0	L

Maintenance Indicator - C32 ACERT Port (ZP201036)

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