

Cat Electronic Technician 2020C v1.0

Product Status Report

7/05/2022 2:56 PM

Product Status Report

Parameter	Value
Product ID	KDP01367
Equipment ID	KDP01367
Comments	

Monitor 777E (KDP01367)

Parameter	Value
Product ID	KDP01367
Equipment ID	KDP01367
ECM Part Number	2848905-03
ECM Serial Number	3208B212HX
Software Group Part Number	5624698-00
Software Group Release Date	APR18
Software Group Description	SOHT 777E Retrofit

Logged Diagnostic Codes [Diagnostic Clock = 7086 hours] - Monitor 777E (KDP01367)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 7086 hours] - Monitor 777E (KDP01367)

Code	Description	Occ.	First	Last
E642 (1)	Display Button Pressed Too Long	1	4629	4629

Active Diagnostic Codes - Monitor 777E (KDP01367)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Monitor 777E (KDP01367)

Code	Description
No Active Event Codes	

Configuration - Monitor 777E (KDP01367)

Description	Value	Unit
Equipment ID	KDP01367	
Product ID	KDP01367	

Information Units Status	Metric	
Display Language Status	English	
Service Mode Enable Code	0	

Chassis 777E (KDP01367)

Parameter	Value
Product ID	KDP01367
Equipment ID	KDP01367
Transmission Serial Number	JJS01705
ECM Part Number	3045687-03
ECM Serial Number	30388619MS
Software Group Part Number	5624323-00
Software Group Release Date	APR2018
Software Group Description	Optimus 777E (KDP200-up)

Logged Diagnostic Codes [Diagnostic Clock = 7086 hours] - Chassis 777E (KDP01367)

Code	Description	Occ.	First	Last
3797- 2	Operator Seat Belt Switch : Erratic, Intermittent, or Incorrect	127	4772	7086
673- 2	Transmission Output Speed Sensor #2 : Erratic, Intermittent, or Incorrect	2	6980	7081
585- 8	Transmission Output Speed Sensor #1 : Abnormal Frequency, Pulse Width, or Period	7	6871	7074
673- 8	Transmission Output Speed Sensor #2 : Abnormal Frequency, Pulse Width, or Period	7	6871	7074
3467- 6	Main Power Relay : Current Above Normal	9	6946	7002
585- 2	Transmission Output Speed Sensor #1 : Erratic, Intermittent, or Incorrect	1	6980	6980
1482- 3	10 Volt Sensor DC Power Supply : Voltage Above Normal	3	6776	6946

Logged Event Codes [Diagnostic Clock = 7086 hours] - Chassis 777E (KDP01367)

Code	Description	Occ.	First	Last
E049 (2)	Coasting in Neutral Warning	10	6724	7081
E289 (2)	Low System Air Pressure	98	4140	7086
E330 (3)	Transmission Output Speed Mismatch	7	4626	7081
E542 (3)	Low Steering Pump Pressure	11	4624	6724
E627 (2)	Parking Brake Applied with Machine in Motion	20	6587	7027
E663 (1)	Body Up while Machine in Motion	6	6724	6724
E875 (1)	Low System Voltage	2	5173	5174
E1003 (2)	High Brake Oil Temperature	2	4248	4535
E2350 (2)	Brake Master Cylinder Overstroked	3	4825	5180

Active Diagnostic Codes - Chassis 777E (KDP01367)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Chassis 777E (KDP01367)

Code	Description
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E289 (1)	Low System Air Pressure
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Current Totals - Chassis 777E (KDP01367)

Description	Value	Unit
Total Operating Hours	7086	hours
Total Distance	63730.40	km

Configuration - Chassis 777E (KDP01367)

Description	Value	Unit
Equipment ID	KDP01367	
Product ID	KDP01367	
Transmission Serial Number	JJS01705	
Transmission Maximum Forward Gear	7	
Body Up Gear Limit	1	
Machine Overload Speed Limit Enable Status	On	
Loaded Machine Speed Limit	40.0	km/h
Machine Speed Limit	40	km/h
Machine Speed Correction Factor	0.0000	%
Throttle Lock Enable Gear Limit	7	
Sound Reduction Engine Speed Limit Enable Status	Enabled	
Hoist System Enable Status	Enabled	
Hoist Lower Valve Adjustment Status	0	
Auto Lube System Installation Status	Not Installed	
Auto Lube Interval	Unavailable	min
Auto Lube Duration	Unavailable	sec
Operator Seat Belt Monitor Installation Status	Installed	
Heated Side Rear View Mirrors Installation Status	Not Installed	
Ambient Air Temperature Sensor Installation Status	Installed	
Forced Fuel Economy Mode Configuration	Not Forced	
Total Tattletale	0	
Park Brake Status	Disabled or Not Installed	%
Remain HeatTime	0	sec
HeatedMir status	Off	
Heated Mirr sw	Not Depressed	
VIMS Main Install	Installed	

Lifetime:Time vs Actual Gear - Chassis 777E (KDP01367)

Actual Gear()	hours	%
1R	320.10	4.40
2R	0.00	0.00
1R L	0.00	0.00
2R L	0.00	0.00
Neutral	3132.60	43.10
1F	837.60	11.52

90-99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100-109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Lifetime:Time vs Torque Converter Outlet Temperature And Transmission Oil Temperature - Chassis 777E (KDP01367)

Deg C	>150	Total
Deg C		
<(-10)	0.00	0.00
(-10)-39	0.00	0.00
40-59	0.00	0.00
60-69	0.00	0.00
70-79	0.00	0.00
80-89	0.00	0.00
90-99	0.00	0.00
100-109	0.00	0.00
110-120	0.00	0.00
>120	0.00	0.00
Total	0.00	0.00

Shift Count Matrix - Chassis 777E (KDP01367)

To	N	R	1	2	3	4	5	6	7
From									
N	---	15790	80078	2	3	3	0	1	3
R	47498	---	8783	0	0	0	0	0	0
1	48322	40491	---	113511	142	5	1	1	0
2	35	0	109369	---	115493	27	0	0	0
3	2	2	3613	109526	---	106377	11	0	0
4	0	0	496	1829	103621	---	78891	0	0
5	0	0	143	56	272	78405	---	32837	0
6	0	1	7	0	0	20	32806	---	99
7	3	0	1	0	0	0	4	94	---

Counters - Chassis 777E (KDP01367)

Description	Value
Lockup Clutch Count	135793
Load Count	20588
Total Load Count	20588

Product Link Elite (KDP01367)

Parameter	Value
Product ID	KDP01367
Machine Serial Number	
Equipment ID	KDP01367
ECM Part Number	4590786-02
ECM Serial Number	3618F569TR

Software Group Part Number	5743743-00
Software Group Release Date	Nov2018
Software Group Description	VIMS TELEMATICS_2018_11_14
Application Software Part Number	5624324-00
Cellular Device ECM Serial Number	3558S654YG
Cellular Device ECM Hardware Part Number	4402105-17
Cellular Radio Module Software Part Number	5964600-00
Satellite Device ECM Serial Number	NA
Satellite Device ECM Hardware Part Number	NA
Satellite Radio Module Software Part Number	NA

Logged Diagnostic Codes [Total Operating Hours = 7086 hours] - Product Link Elite (KDP01367)

Code	Description	Occ.	First	Last
4255- 9	Telemetry Data Link #2 : Abnormal Update Rate	126	3272	7079
1888- 3	Local GPS Antenna : Voltage Above Normal	4	4675	6946
4682- 3	Cellular Antenna : Voltage Above Normal	4	4675	6946
839- 3	Right Front Strut Pressure Sensor : Voltage Above Normal	4	4095	6604
840- 3	Left Rear Strut Pressure Sensor : Voltage Above Normal	2	5364	6000
838- 3	Left Front Strut Pressure Sensor : Voltage Above Normal	1	5364	5364
841- 3	Right Rear Strut Pressure Sensor : Voltage Above Normal	1	5364	5364

Logged Event Codes [Total Operating Hours = 7086 hours] - Product Link Elite (KDP01367)

Code	Description	Occ.	First	Last
E2126 (1)	Payload Overload Limit Exceeded	126	3269	7078
E2126 (2)	Payload Overload Limit Exceeded	111	3285	7078

Active Diagnostic Codes - Product Link Elite (KDP01367)

Code	Description
1888- 3	Local GPS Antenna : Voltage Above Normal
4682- 3	Cellular Antenna : Voltage Above Normal

Active Event Codes - Product Link Elite (KDP01367)

Code	Description
No Active Event Codes	

Current Totals - Product Link Elite (KDP01367)

Description	Value	Unit
Total Operating Hours	7086.4	hours
Total Distance	63730.40	km

Configuration - Product Link Elite (KDP01367)

Description	Value	Unit
Product ID	KDP01367	
Equipment ID	KDP01367	

External Service Lamp Installation Configuration	Installed	
External Service Lamp Display Mode Setting	No Snapshot Notice	
Telemetry Port Selection	Disabled	
TMAC Protocol Port Selection	Disabled	
Tire Monitoring System Installation Status	Unavailable	
CAT Data Link Module Identifier Configuration	Gateway #1	
Machine Serial Number		
Mining Aftermarket System Installation Status	Unavailable	
Maintenance Mode	Off	
Machine Payload Control System Installation Status	Installed	
Target Payload	91.0	tonne
Payload Overload Limit	120.0	%
Green TPMS Lamp Installation Configuration	LED	
Red TPMS Lamp Installation Configuration	LED	
Truck Payload Last Pass Indicator Enable Status	Enabled	
External Payload Indicator Configuration	Count Up - Short Message	
OHT Payload Re-weigh	Second Gear	
Front Axle Strut Pressure to Payload Weight Ratio Configuration	5100	
Road Analysis System Installation Status	Not Installed	
Tire Analysis System Installation Status	Not Installed	
Tire Analysis System Temporary Installation Status	Not Installed	
Tire Analysis System Temporary Installation Time Remaining	15000	min
Security System Tamper Resistant Configuration	Not Installed	

Indication Display

Parameter	Value
ECM Part Number	4690894-03
ECM Serial Number	0079D055DT
Software Group Part Number	5523605-00
Software Group Release Date	NOV2017
Software Group Description	Indication Display

C32 777 (DLT01532)

Parameter	Value
Equipment ID	KDP01367
Engine Serial Number	DLT01532
ECM Part Number	4787926-01
ECM Serial Number	29076489JV
Software Group Part Number	5125465-00
Software Group Release Date	APR16

Software Group Description	OHT-777
Active Diagnostic Codes Present	No

Logged Diagnostic Codes [Diagnostic Clock = 7086 hours] - C32 777 (DLT01532)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 7086 hours] - C32 777 (DLT01532)

Code	Description	Occ.	First	Last
E096 (1)	High Fuel Pressure	28	4627	4631
E1217 (3)	Delayed Engine Shutdown Override	25	4	6938

Active Diagnostic Codes - C32 777 (DLT01532)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - C32 777 (DLT01532)

Code	Description
No Active Event Codes	

Current Totals - C32 777 (DLT01532)

Description	Value	Unit
Total Idle Time	3156:54	hours
Total Fuel	303401	L
Total Idle Fuel	32552	L
Total Max Fuel	1363771	L
Total Operating Hours	7086	hours
Engine Starts	4166	
Lifetime Total Engine Revolutions	473689892	rev
Total Engine Idle Shutdown Count	0	
Total Engine Idle Shutdown Overrides Count	0	
Total Delayed Engine Shutdown Count	6103	
Total Delayed Engine Shutdown Overrides Count	29	
Average RPM	1114.14	rpm
Percentage Idle Time	44.54	%
Average Fuel Rate	42.82	L/h
Overall Load Factor	22	%

Configuration - C32 777 (DLT01532)

Description	Value	Unit
Equipment ID	KDP01367	

Engine Serial Number	DLT01532	
ECM Part Number	4787926-01	
ECM Serial Number	29076489JV	
Software Group Part Number	5125465-00	
Software Group Release Date	APR16	
Software Group Description	OHT-777	
Ether Solenoid Configuration	Continuous Flow Solenoid	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Engine Idle Shutdown Enable Status	Disabled	
Engine Idle Shutdown Delay Time	8.0	min
Delayed Engine Shutdown Enable Status	Enabled	
Delayed Engine Shutdown Maximum Time	5.0	min
Engine Coolant Dual Pressure Sensors Installation Status	Unavailable	
FLS	49	
FTS	-35	
Total Tattletale	6252	

Lifetime: Time vs Engine Coolant Temperature - C32 777 (DLT01532)

Engine Coolant Temperature(Deg C)	hours	%
<50.0	54.95	0.78
50.0-54.0	23.05	0.33
55.0-59.0	30.60	0.43
60.0-64.0	44.35	0.63
65.0-69.0	69.20	0.98
70.0-74.0	120.40	1.71
75.0-79.0	175.60	2.49
80.0-84.0	6510.65	92.30
85.0-89.0	24.80	0.35
90.0-94.0	0.30	0.00
95.0-99.0	0.05	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 777 (DLT01532)

Inlet Air Temperature(Deg C)	hours	%
<40.0	421.25	67.61
40.0-44.0	89.70	14.40
45.0-49.0	55.90	8.97
50.0-54.0	33.30	5.34
55.0-59.0	16.65	2.67
60.0-64.0	5.90	0.95
65.0-69.0	0.25	0.04
70.0-74.0	0.05	0.01

75.0-79.0	0.05	0.01
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 777 (DLT01532)

Boost Pressure(kPa)	hours	%
<80.0	5.30	0.85
80.0-89.0	6.35	1.02
90.0-99.0	10.15	1.63
100.0-109.0	14.30	2.29
110.0-119.0	20.45	3.28
120.0-129.0	29.40	4.72
130.0-139.0	47.40	7.61
140.0-149.0	84.30	13.53
150.0-159.0	111.45	17.89
160.0-169.0	120.05	19.27
170.0-179.0	123.70	19.85
180.0-189.0	46.80	7.51
190.0-199.0	3.45	0.55
>200.0	0.00	0.00

Lifetime: Time vs Engine Speed And Engine Load Factor - C32 777 (DLT01532)

rpm	<1100	1100-1299	1300-1499	1500-1699	1700-1899	1900-2099	2100-2299	>2300	Total
%									
<50.0	3456.45	192.75	664.60	918.60	335.70	47.50	0.75	0.00	5616.35
50.0-59.9	20.55	14.75	37.85	63.00	26.25	4.85	0.00	0.00	167.25
60.0-69.9	4.05	17.80	34.45	48.80	23.25	4.25	0.00	0.00	132.60
70.0-79.9	0.05	2.55	25.65	40.80	21.65	4.15	0.00	0.00	94.85
80.0-89.9	0.00	0.60	17.30	35.55	21.90	4.40	0.00	0.00	79.75
>90.0	0.30	9.85	141.95	239.10	222.55	17.60	0.00	0.00	631.35
Total	3481.40	238.30	921.80	1345.85	651.30	82.75	0.75	0.00	6722.15

Lifetime: Total Occurrences vs Engine Speed - C32 777 (DLT01532)

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 And Unknown - C32 777 (DLT01532)

rpm	<1000	1000-1299	1300-1599	1600-1899	1900-2199	2200-2499	2500-2799	>2800	Total
Unknown									
<1.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.0-1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.0-2.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.0-3.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>4.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Lifetime: Total Occurrences vs Engine Speed And Boost Pressure - C32 777 (DLT01532)

rpm	<1900	1900-2099	2100-2299	2300-2499	2500-2699	2700-2899	>2900	Total
kPa								
<50.0	0	0	0	0	0	0	0	0
50.0-79.9	0	0	0	0	0	0	0	0
80.0-109.9	0	0	0	0	0	0	0	0
110.0-139.9	0	0	0	0	0	0	0	0
140.0-169.9	0	0	0	0	0	0	0	0
170.0-199.9	0	0	0	0	0	0	0	0
>200.0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

Injector Trim Calibration - C32 777 (DLT01532)

Injector	Serial Number	File Version
Injector1	000000005A5376363338	0
Injector2	000000005A537638261A	0
Injector3	000000005A53763793D1	0
Injector4	000000005A537637265D	0
Injector5	000000005A5376361609	0
Injector6	000000005A537637194F	0
Injector7	000000005A53763791DF	0
Injector8	000000005A537637156B	0
Injector9	000000005A5376377515	0
Injector10	000000005A5376382008	0
Injector11	000000005A5376372453	0
Injector12	000000005A53763787D8	0

Monitoring System - C32 777 (DLT01532)

Description	State	Trip Point	Delay Time
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<u>Engine Overspeed</u>			
Least Severe (1)	Always On	2600 rpm	0 sec
Moderate Severity (2)	Always On	2800 rpm	0 sec
<u>High Air Filter Restriction Pressure</u>			
Least Severe (1)	Always On	7.5 kPa	30 sec
Moderate Severity (2)	Always On	9.0 kPa	30 sec
<u>High Engine Coolant Temperature</u>			
Least Severe (1)	Always On	110 Deg C	10 sec
Moderate Severity (2)	Always On	111 Deg C	10 sec
<u>High Engine Inlet #2 Air Temperature</u>			
Least Severe (1)	Always On	82.0 Deg C	8 sec
Moderate Severity (2)	Always On	86.0 Deg C	8 sec
<u>High Engine Inlet Air Temperature</u>			
Least Severe (1)	Always On	82.0 Deg C	8 sec
Moderate Severity (2)	Always On	86.0 Deg C	8 sec
<u>High Fuel Pressure</u>			
Least Severe (1)	Always On	880.0 kPa	8 sec
<u>High Fuel Temperature</u>			
Least Severe (1)	Always On	90.0 Deg C	30 sec
Moderate Severity (2)	Always On	91.0 Deg C	10 sec
<u>High Left Exhaust #2 Temperature</u>			
Moderate Severity (2)	Always On	760 Deg C	5 sec
Most Severe (3)	Always On	805 Deg C	5 sec
<u>High Left Exhaust Temperature</u>			
Moderate Severity (2)	Always On	760 Deg C	5 sec
Most Severe (3)	Always On	805 Deg C	5 sec
<u>High Right Exhaust #2 Temperature</u>			
Moderate Severity (2)	Always On	760 Deg C	5 sec
Most Severe (3)	Always On	805 Deg C	5 sec
<u>High Right Exhaust Temperature</u>			
Moderate Severity (2)	Always On	760 Deg C	5 sec
Most Severe (3)	Always On	805 Deg C	5 sec
<u>Low Engine Oil Pressure</u>			
Least Severe (1)	Always On	None	8 sec
Moderate Severity (2)	Always On	None	4 sec

Brake 777E (KDP01367)

Parameter	Value
Equipment ID	KDP01367
ECM Part Number	3045687-03
ECM Serial Number	34086959MS

Software Group Part Number	5503230-00
Software Group Release Date	OCT2017
Software Group Description	Optimus 777E (KDP200-up)

Logged Diagnostic Codes [Diagnostic Clock = 7086 hours] - Brake 777E (KDP01367)

Code	Description	Occ.	First	Last
607- 2	Loss of Left Rear Speed signal	1	7081	7081
608- 2	Loss of Right Rear Speed signal	1	7081	7081
714- 3	Auto Retarder Pressure Switch : Voltage Above Normal	2	6988	6989

Logged Event Codes [Diagnostic Clock = 7086 hours] - Brake 777E (KDP01367)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Brake 777E (KDP01367)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Brake 777E (KDP01367)

Code	Description
No Active Event Codes	

Configuration - Brake 777E (KDP01367)

Description	Value	Unit
Product ID	KDP01367	
Equipment ID	KDP01367	
Desired Engine Retard Speed	1938	rpm
Auto Retarder Control System Installation Status	Installed	
Traction Control System Installation Status	Installed	
Automatic Traction Control Enable Status	Enabled	
Oil Cooled Front Brake Installation Status	Not Installed	
Total Tattletale	0	

Counters - Brake 777E (KDP01367)

Description	Value
Retarder Control Valve Cycles	3635000
Retarder Supply Valve Cycles	96650