

Cat Electronic Technician 2020C v1.0

Product Status Report

7/05/2022 2:00 PM

Product Status Report

Parameter	Value
Product ID	KDP01366
Equipment ID	KDP01366
Comments	

Chassis 777E (KDP01366)

Parameter	Value
Product ID	KDP01366
Equipment ID	KDP01366
Transmission Serial Number	JJS01549
ECM Part Number	3045687-03
ECM Serial Number	31987721MS
Software Group Part Number	5624323-00
Software Group Release Date	APR2018
Software Group Description	Optimus 777E (KDP200-up)

Logged Diagnostic Codes [Diagnostic Clock = 6632 hours] - Chassis 777E (KDP01366)

Code	Description	Occ.	First	Last
3467- 6	Main Power Relay : Current Above Normal	95	6083	6632
248- 9	Cat Data Link not communicating	75	6496	6632
800- 9	VIMS Main Module : Abnormal Update Rate	75	6496	6632
190- 2	Engine Speed Sensor : Erratic, Intermittent, or Incorrect	2	6614	6631
585- 8	Transmission Output Speed Sensor #1 : Abnormal Frequency, Pulse Width, or Period	5	6569	6629
673- 8	Transmission Output Speed Sensor #2 : Abnormal Frequency, Pulse Width, or Period	4	6569	6615
3797- 2	Operator Seat Belt Switch : Erratic, Intermittent, or Incorrect	127	5330	5381

Logged Event Codes [Diagnostic Clock = 6632 hours] - Chassis 777E (KDP01366)

Code	Description	Occ.	First	Last
E289 (2)	Low System Air Pressure	87	4000	6632
E330 (3)	Transmission Output Speed Mismatch	4	3581	5536
E542 (3)	Low Steering Pump Pressure	2	6014	6224
E627 (2)	Parking Brake Applied with Machine in Motion	6	6023	6396
E1003 (2)	High Brake Oil Temperature	3	3335	4535

Active Diagnostic Codes - Chassis 777E (KDP01366)

Code	Description
3797- 2	Operator Seat Belt Switch : Erratic, Intermittent, or Incorrect

Active Event Codes - Chassis 777E (KDP01366)

Code	Description
E289 (1)	Low System Air Pressure
E617 (2)	Machine Lockout Active
E620 (2)	Starter Lockout Active

Current Totals - Chassis 777E (KDP01366)

Description	Value	Unit
Total Operating Hours	6633	hours
Total Distance	63402.20	km

Configuration - Chassis 777E (KDP01366)

Description	Value	Unit
Equipment ID	KDP01366	
Product ID	KDP01366	
Transmission Serial Number	JJS01549	
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 (KDP01366)

Actual Gear()	hours	%
1R	276.80	4.15
2R	0.00	0.00
1R L	0.00	0.00
2R L	0.00	0.00
Neutral	2720.10	40.76
1F	811.30	12.16
2F	0.25	0.00
3F	0.15	0.00
4F	0.25	0.00
5F	0.25	0.00
6F	0.10	0.00
7F	0.00	0.00
1F L	369.60	5.54
2F L	441.90	6.62
3F L	484.40	7.26
4F L	582.45	8.73
5F L	605.05	9.07
6F L	381.00	5.71
7F L	0.30	0.00

Transmission Filter Bypass Count vs Transmission Oil Temperature - Chassis 777E (KDP01366)

Transmission Oil Temperature(Deg C)	Count	%
<(-10.0)	0	0.00
(-10.0)-(-0.1)	0	0.00
0.0-9.9	1	0.85
10.0-19.9	51	43.59
20.0-29.9	46	39.32
30.0-39.9	19	16.24
40.0-50.0	0	0.00
>50.0	0	0.00

Transmission Filter Bypass Time vs Transmission Oil Temperature - Chassis 777E (KDP01366)

Transmission Oil Temperature(Deg C)	hours	%
<(-10.0)	0.00	0.00
(-10.0)-(-0.1)	0.00	0.00
0.0-9.9	0.00	0.00
10.0-19.9	0.45	14.06
20.0-29.9	0.05	1.56
30.0-39.9	0.20	6.25
40.0-50.0	0.55	17.19
>50.0	1.95	60.94

Lifetime:Time vs Torque Converter Outlet Temperature And Transmission Oil Temperature -

Chassis 777E (KDP01366)

Deg C	<50	50-69	70-89	90-99	100-109	110-119	120-129	130-139	140-150
Deg C									
<(-10)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-10)-39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60-69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70-79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80-89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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 (KDP01366)

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 (KDP01366)

To	N	R	1	2	3	4	5	6	7
From									
N	---	18322	76340	5	4	0	0	0	5
R	44204	---	7517	0	0	0	0	0	0
1	50415	33404	---	112309	115	5	0	0	0
2	12	0	108446	---	114167	7	0	0	0
3	0	0	3450	108711	---	106454	10	0	0
4	0	0	395	1575	104130	---	81832	0	0
5	0	0	128	32	209	81455	---	35457	0
6	0	0	7	0	0	11	35435	---	130
7	5	0	0	0	0	0	4	126	---

Counters - Chassis 777E (KDP01366)

Description	Value
Lockup Clutch Count	133247

Load Count	14268
Total Load Count	19030

Monitor 777E (KDP01366)

Parameter	Value
Product ID	KDP01366
Equipment ID	KDP01366
ECM Part Number	2848905-03
ECM Serial Number	3208B193HX
Software Group Part Number	5624698-00
Software Group Release Date	APR18
Software Group Description	SOHT 777E Retrofit

Logged Diagnostic Codes [Diagnostic Clock = 6632 hours] - Monitor 777E (KDP01366)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 6632 hours] - Monitor 777E (KDP01366)

Code	Description	Occ.	First	Last
E642 (1)	Display Button Pressed Too Long	41	3394	4616

Active Diagnostic Codes - Monitor 777E (KDP01366)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Monitor 777E (KDP01366)

Code	Description
No Active Event Codes	

Configuration - Monitor 777E (KDP01366)

Description	Value	Unit
Equipment ID	KDP01366	
Product ID	KDP01366	
Information Units Status	Metric	
Display Language Status	English	
Service Mode Enable Code	0	

C32 777 (DLT01477)

Parameter	Value
Equipment ID	KDP01366
Engine Serial Number	DLT01477
ECM Part Number	4787926-01
ECM Serial Number	30388521JV
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 = 6632 hours] - C32 777 (DLT01477)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 6632 hours] - C32 777 (DLT01477)

Code	Description	Occ.	First	Last
E172 (1)	High Air Filter Restriction	2	4646	4647
E1217 (3)	Delayed Engine Shutdown Override	43	4	6632

Active Diagnostic Codes - C32 777 (DLT01477)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - C32 777 (DLT01477)

Code	Description
No Active Event Codes	

Current Totals - C32 777 (DLT01477)

Description	Value	Unit
Total Idle Time	2866:39	hours
Total Fuel	288182	L
Total Idle Fuel	30138	L
Total Max Fuel	1276484	L
Total Operating Hours	6633	hours
Engine Starts	4142	
Lifetime Total Engine Revolutions	445721408	rev
Total Engine Idle Shutdown Count	184	
Total Engine Idle Shutdown Overrides Count	6801	
Total Delayed Engine Shutdown Count	5130	
Total Delayed Engine Shutdown Overrides Count	45	
Average RPM	1120.13	rpm
Percentage Idle Time	43.21	%
Average Fuel Rate	43.45	L/h
Overall Load Factor	22	%

Configuration - C32 777 (DLT01477)

Description	Value	Unit
Equipment ID	KDP01366	

Engine Serial Number	DLT01477	
ECM Part Number	4787926-01	
ECM Serial Number	30388521JV	
Software Group Part Number	5125465-00	
Software Group Release Date	APR16	
Software Group Description	OHT-777	
Ether Solenoid Configuration	Not Installed	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Engine Idle Shutdown Enable Status	Enabled	
Engine Idle Shutdown Delay Time	9.0	min
Delayed Engine Shutdown Enable Status	Enabled	
Delayed Engine Shutdown Maximum Time	5.0	min
Engine Coolant Dual Pressure Sensors Installation Status	Unavailable	
FLS	43	
FTS	-26	
Total Tattletale	5279	

Lifetime: Time vs Engine Coolant Temperature - C32 777 (DLT01477)

Engine Coolant Temperature(Deg C)	hours	%
<50.0	51.05	0.77
50.0-54.0	21.10	0.32
55.0-59.0	28.70	0.43
60.0-64.0	43.70	0.66
65.0-69.0	71.05	1.08
70.0-74.0	112.10	1.70
75.0-79.0	328.75	4.98
80.0-84.0	5934.80	89.91
85.0-89.0	9.15	0.14
90.0-94.0	0.05	0.00
95.0-99.0	0.10	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 (DLT01477)

Inlet Air Temperature(Deg C)	hours	%
<40.0	394.40	71.25
40.0-44.0	81.25	14.68
45.0-49.0	46.45	8.39
50.0-54.0	21.55	3.89
55.0-59.0	7.15	1.29
60.0-64.0	2.55	0.46
65.0-69.0	0.15	0.03
70.0-74.0	0.05	0.01

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 777 (DLT01477)

Boost Pressure(kPa)	hours	%
<80.0	4.10	0.74
80.0-89.0	5.30	0.96
90.0-99.0	8.45	1.53
100.0-109.0	12.45	2.25
110.0-119.0	18.00	3.25
120.0-129.0	25.15	4.54
130.0-139.0	39.45	7.13
140.0-149.0	67.55	12.21
150.0-159.0	94.30	17.04
160.0-169.0	111.05	20.07
170.0-179.0	112.40	20.31
180.0-189.0	52.10	9.41
190.0-199.0	3.15	0.57
>200.0	0.00	0.00

Lifetime: Time vs Engine Speed And Engine Load Factor - C32 777 (DLT01477)

rpm	<1100	1100-1299	1300-1499	1500-1699	1700-1899	1900-2099	2100-2299	>2300	Total
%									
<50.0	3148.00	176.75	673.95	913.70	313.70	26.85	0.70	0.05	5253.70
50.0-59.9	21.95	13.80	38.80	61.80	25.50	2.55	0.00	0.00	164.40
60.0-69.9	4.30	18.20	34.05	48.75	23.10	2.20	0.00	0.00	130.60
70.0-79.9	0.05	2.65	26.25	40.90	21.65	2.20	0.00	0.00	93.70
80.0-89.9	0.00	0.65	18.50	36.15	21.05	2.60	0.00	0.00	78.95
>90.0	0.25	10.20	142.40	226.50	171.80	10.55	0.00	0.00	561.70
Total	3174.55	222.25	933.95	1327.80	576.80	46.95	0.70	0.05	6283.05

Lifetime: Total Occurrences vs Engine Speed - C32 777 (DLT01477)

Engine Speed(rpm)	Count	%
<2500.0	0	0.00
2500.0-2599.0	3	100.00
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 (DLT01477)

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 (DLT01477)

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 (DLT01477)

Injector	Serial Number	File Version
Injector1	000000005A537587633E	0
Injector2	000000005A5375875830	0
Injector3	000000005A537581868E	0
Injector4	000000005A5375817867	0
Injector5	000000005A5375873664	0
Injector6	000000005A5375873949	0
Injector7	000000005A5375816872	0
Injector8	000000005A5375875008	0
Injector9	000000005A5375817544	0
Injector10	000000005A5375817356	0
Injector11	000000005A5375816658	0
Injector12	000000005A53758188A4	0

Monitoring System - C32 777 (DLT01477)

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

Indication Display

Parameter	Value
ECM Part Number	4690894-03
ECM Serial Number	0079D044DT
Software Group Part Number	5523605-00

Software Group Release Date	NOV2017
Software Group Description	Indication Display

Brake 777E (KDP01366)

Parameter	Value
Equipment ID	KDP01366
ECM Part Number	3045687-03
ECM Serial Number	32588768MS
Software Group Part Number	5503230-00
Software Group Release Date	OCT2017
Software Group Description	Optimus 777E (KDP200-up)

Logged Diagnostic Codes [Diagnostic Clock = 6632 hours] - Brake 777E (KDP01366)

Code	Description	Occ.	First	Last
190- 2	Engine Speed Sensor : Erratic, Intermittent, or Incorrect	2	6614	6631

Logged Event Codes [Diagnostic Clock = 6632 hours] - Brake 777E (KDP01366)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Brake 777E (KDP01366)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Brake 777E (KDP01366)

Code	Description
No Active Event Codes	

Configuration - Brake 777E (KDP01366)

Description	Value	Unit
Product ID	KDP01366	
Equipment ID	KDP01366	
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 (KDP01366)

Description	Value
Retarder Control Valve Cycles	3457000
Retarder Supply Valve Cycles	115050