

# Cat Electronic Technician 2019C v1.0

## Product Status Report

22-5-2023 12:36

### Product Status Report

Parameter	Value
Product ID	K1Y01545
Equipment ID	K1Y01545
Comments	

### Indication Display

Parameter	Value
ECM Part Number	3743614-04
ECM Serial Number	3416D020DT
Software Group Part Number	5523605-00
Software Group Release Date	NOV2017
Software Group Description	Indication Display

### Engine #1 Aftertreatment Controller

Parameter	Value
Equipment ID	K1Y01545
Engine Serial Number	T4F07649
ECM Part Number	3943902-02
ECM Serial Number	28467371QU
Software Group Part Number	5791599-00
Software Group Release Date	APR20
Software Group Description	AFT_T4F_C13_HWA_A5E2V1

### Logged Diagnostic Codes [Diagnostic Clock = 12308 hours] - Engine #1 Aftertreatment Controller

Code	Description	Occ.	First	Last
5856- 9	SAE J1939 Data Link #3 : Abnormal Update Rate	1	12308	12308

### Logged Event Codes [Diagnostic Clock = 12308 hours] - Engine #1 Aftertreatment Controller

Code	Description	Occ.	First	Last
No Logged Event Codes				

### Active Diagnostic Codes - Engine #1 Aftertreatment Controller

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Engine #1 Aftertreatment Controller

Code	Description
No Active Event Codes	

### System Communication Status - Active Problems - Engine #1 Aftertreatment Controller

ECMs	Detected Problem	Data Link	Diagnostic Information
------	------------------	-----------	------------------------

### System Communication Status - Inactive Problems - Engine #1 Aftertreatment Controller

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Engine #1 Aftertreatment Controller - Device 2: Aftertreatment #1 DEF Sensor	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #3	Diagnostic Code: 5856-9 - Service Hour Meter: 12308:54:09 -

### Current Totals - Engine #1 Aftertreatment Controller

Description	Value	Unit
DPF #1 Last Ash Service Engine Lifetime Hours	10161,3	hours
Total ARD Fuel	7610,125	L
Aftertreatment #1 Total DEF Used	6556,1	L
Exhaust Particulate Control System Diagnostic Time	0	sec
Exhaust Particulate Control System Diagnostic Count	0	

### Configuration - Engine #1 Aftertreatment Controller

Description	Value	Unit
Equipment ID	K1Y01545	
Engine Serial Number	T4F07649	
ECM Serial Number	28467371QU	
ECM Part Number	3943902-02	
Software Group Part Number	5791599-00	
Software Group Release Date	APR20	
Software Group Description	AFT_T4F_C13_HWA_A5E2V1	
ARD Auto Regeneration Enable Status	Enabled	
Factory Installed Aftertreatment #1 Identification Number	CBC124156A	
ARD Fuel Pressure #2 System Installation Status	Installed	
Parameter: 0x0000F8C7	NOT PROG	
Parameter: 0x0000F8C7	NOT PROG	

### Aftertreatment Regeneration History - Engine #1 Aftertreatment Controller

Regeneration End Time	Regeneration Completion Service Hours	Aftertreatment Regeneration End Percent Soot	Aftertreatment Regeneration End Status
9-9-2001 05:23:11	12308,87 hours	69 %	Work

9-9-2001 00:24:27	12308,74 hours	69 %	Work
8-9-2001 11:25:17	12308,31 hours	66 %	Complete
4-9-2001 07:46:16	12307,85 hours	73 %	Work
3-9-2001 00:19:50	12303,23 hours	22 %	Complete
2-9-2001 12:18:58	12301,97 hours	0 %	Complete
2-9-2001 03:14:51	12294,78 hours	0 %	Complete
2-9-2001 00:09:24	12291,69 hours	62 %	Complete
1-9-2001 16:14:55	12291,41 hours	60 %	Work
1-9-2001 13:09:52	12288,33 hours	28 %	Complete
1-9-2001 06:50:49	12283,20 hours	0 %	Complete
1-9-2001 00:34:00	12277,70 hours	30 %	Complete
30-8-2001 04:05:43	12275,59 hours	0 %	Complete
30-8-2001 01:08:25	12272,64 hours	68 %	Complete
29-8-2001 07:51:04	12272,29 hours	69 %	Work
29-8-2001 00:01:35	12265,44 hours	20 %	Complete
28-8-2001 15:47:23	12264,72 hours	0 %	Complete
28-8-2001 06:48:46	12256,86 hours	0 %	Complete
28-8-2001 00:08:57	12250,80 hours	34 %	Complete
27-8-2001 15:55:57	12250,51 hours	29 %	Work
27-8-2001 06:59:53	12243,29 hours	0 %	Complete
27-8-2001 00:01:06	12237,32 hours	24 %	Complete
26-8-2001 16:01:44	12236,99 hours	16 %	Work
26-8-2001 08:16:06	12230,23 hours	16 %	Complete
26-8-2001 00:58:40	12223,74 hours	0 %	Complete
23-8-2001 16:24:30	12222,49 hours	81 %	Work
23-8-2001 09:09:32	12215,89 hours	13 %	Work
23-8-2001 04:41:32	12212,59 hours	68 %	Work
23-8-2001 00:03:01	12207,95 hours	54 %	Complete
22-8-2001 04:48:03	12201,82 hours	0 %	Complete
21-8-2001 23:30:10	12196,53 hours	70 %	Complete
21-8-2001 16:16:03	12196,18 hours	72 %	Work
21-8-2001 09:11:46	12189,85 hours	27 %	Work
20-8-2001 23:23:35	12180,63 hours	7 %	Complete
20-8-2001 16:12:39	12180,22 hours	0 %	Complete
20-8-2001 02:37:29	12169,49 hours	0 %	Complete
19-8-2001 23:38:31	12166,51 hours	68 %	Complete
19-8-2001 08:21:44	12159,24 hours	0 %	Complete
18-8-2001 23:26:29	12150,97 hours	19 %	Complete
18-8-2001 13:55:45	12148,79 hours	0 %	Complete

#### Aftertreatment Abnormal Shutdown History - Engine #1 Aftertreatment Controller

Engine Shutdown Type	Engine Shutdown Service Hours	Engine Startup Time After Shutdown Time & Date	Temperature Threshold	Ambient Air Temperature
Hot Shutdown (Above DPF Inlet Temperature Threshold)	12308,76 hours	9-9-2001 00:26:06	270,0 Deg C	5,4 Deg C

Hot Shutdown (Above DPF Inlet Temperature Threshold)	12308,05 hours	8-9-2001 10:41:20	270,0 Deg C	11,6 Deg C
Cold Shutdown (Below Ambient Temperature Threshold)	11327,64 hours	28-4-2001 02:03:06	-5,0 Deg C	-6,2 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	11204,93 hours	31-3-2001 06:11:31	270,0 Deg C	19,5 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	11161,15 hours	25-3-2001 04:44:15	270,0 Deg C	10,7 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	10681,44 hours	31-12-2000 07:02:13	270,0 Deg C	26,3 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	10657,62 hours	26-12-2000 07:55:46	270,0 Deg C	24,0 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	10294,73 hours	30-10-2000 13:39:41	270,0 Deg C	19,9 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	10004,15 hours	18-7-2000 09:58:13	270,0 Deg C	33,3 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	9921,19 hours	10-7-2000 05:29:22	270,0 Deg C	27,3 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	9194,50 hours	8-2-2000 00:31:20	270,0 Deg C	15,0 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	9186,06 hours	7-2-2000 05:32:11	270,0 Deg C	10,2 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	9161,03 hours	5-2-2000 06:17:55	270,0 Deg C	7,9 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	8764,65 hours	1-12-2000 10:10:19	270,0 Deg C	30,2 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	6947,46 hours	28-4-2020 14:12:57	270,0 Deg C	21,7 Deg C

Hot Shutdown (Above DPF Inlet Temperature Threshold)	6656,55 hours	9-3-2020 14:36:02	270,0 Deg C	23,8 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	5529,32 hours	13-9-2019 11:25:02	270,0 Deg C	14,5 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	5170,26 hours	1-8-2019 19:12:00	270,0 Deg C	27,2 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	3784,88 hours	14-1-2019 09:44:49	270,0 Deg C	-7,0 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	2234,64 hours	29-5-2018 10:55:35	270,0 Deg C	30,9 Deg C

### Service Test History - Engine #1 Aftertreatment Controller

Service Test Name	Total Operating Hours	Service Test Error ID	Service Test Status
Manual DPF Regeneration	8254,4 hours	1125	Incomplete
Manual DPF Regeneration	8254,5 hours	1125	Incomplete
Manual DPF Regeneration	8255,4 hours	0000	Complete
Manual DPF Regeneration	8480,0 hours	0000	Complete
Manual DPF Regeneration	8502,3 hours	0002	Incomplete
Manual DPF Regeneration	8502,5 hours	11C2	Incomplete
Manual DPF Regeneration	8502,6 hours	11C2	Incomplete
Manual DPF Regeneration	8502,7 hours	11C2	Incomplete
Manual DPF Regeneration	8502,8 hours	11C2	Incomplete
Aftertreatment #1 System Functional Test	8502,9 hours	0000	Complete
Manual DPF Regeneration	8503,4 hours	0000	Complete
DPF System Functional Test	10150,4 hours	0000	Complete
Aftertreatment #1 System Functional Test	10150,5 hours	0000	Complete
Manual DPF Regeneration	10152,3 hours	0000	Complete
Ash Service Regeneration	10153,8 hours	0000	Complete
Manual DPF Regeneration	10504,8 hours	0000	Complete

ARD Air System Service Test	10514,9 hours	0000	Complete
Manual DPF Regeneration	10525,6 hours	0000	Complete
Aftertreatment #1 System Functional Test	10526,5 hours	0000	Complete

**Diesel Oxidation Catalyst Replacement - Engine #1 Aftertreatment Controller**

Description	Value	Unit
Engine Lifetime Hours	Unavailable	
Total Operating Hours	Unavailable	

**History Data**

No history data available.

**Aftertreatment #1 SCR Catalyst Replacement - Engine #1 Aftertreatment Controller**

Description	Value	Unit
Engine Lifetime Hours	Unavailable	
Total Operating Hours	Unavailable	

**History Data**

No history data available.

**DPF Ash Service - Engine #1 Aftertreatment Controller**

Description	Value	Unit
DPF #1 Ash Service Status	Unavailable	
Engine Lifetime Hours	Unavailable	
Total Operating Hours	Unavailable	
DPF #1 Hours Since Last Ash Service	Unavailable	

Service Tool S/N	Date	SHM	Engine Lifetime Hours	Replacement Type
ET769539	5-7-2019	5036,0 hours	5040,2 hours	Remanufactured
ET709229	29-8-2000	10151,9 hours	10161,3 hours	Remanufactured

**Implement 982M (K1Y01545)**

Parameter	Value
Product ID	K1Y01545
Equipment ID	
ECM Part Number	4559580-00
ECM Serial Number	32866140WC
Software Group Part Number	5951535-00
Software Group Release Date	MAY2020
Software Group Description	982 Implement

**Logged Diagnostic Codes [Diagnostic Clock = 12308 hours] - Implement 982M (K1Y01545)**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

**Logged Event Codes [Diagnostic Clock = 12308 hours] - Implement 982M (K1Y01545)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Implement 982M (K1Y01545)**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Implement 982M (K1Y01545)**

Code	Description
No Active Event Codes	

**Current Totals - Implement 982M (K1Y01545)**

Description	Value	Unit
Load Count	7519	
Lifetime Total Payload Weight	2662442	tonne
Total Pass Count	297842	

**Configuration - Implement 982M (K1Y01545)**

Description	Value	Unit
Product ID	K1Y01545	
Equipment ID		
Long Range Work Lights #1 Installation Status	Installed	
Beacon Installation Status	Installed	
Heated Side Rear View Mirrors Installation Status	Installed	
Automatic Rear Wiper Enable Status	Disabled	
Operator Seat Belt Monitor Installation Status	Installed	
Automatic Beacon On Enable Status	Disabled	
Ride Control System Installation Status	Installed	
Ride Control Forward Activation Speed	3,0	km/h
Ride Control Reverse Activation Speed	1,6	km/h
Ride Control Pressure Equalization Time	3	sec
Quick Coupler Installation Status	Not Installed	
Lift Cylinder Load Hold Check Valve Installation Status	Not Installed	
Battery Cable Shield Monitoring System Installation	Installed	

Secondary Steering Pump Installation Status	Installed	
Machine Steering Configuration	Joystick Steering	
Left Steering Angle Limit	39,4	Deg
Right Steering Angle Limit	40,0	Deg
Implement Linkage Configuration	Standard	
Implement Tool Configuration	Bucket	
Lift/Tilt Valve Configuration Code	1	
Loader Lift Linkage Position Sensor Configuration	Rotary Position Sensor	
Loader Tilt Linkage Position Sensor Configuration	Rotary Position Sensor	
Joystick Installation Status	Not Installed	
Tilt Function Enable Status	Enabled	
3rd Function Enable Status	Disabled	
4th Function Enable Status	Disabled	
Raise Kickout Enable Status	Enabled	
Lower Kickout Enable Status	Enabled	
Rackback Kickout Enable Status	Enabled	
Dump Kickout Enable Status	Enabled	
Lift Linkage Float Enable Status	Enabled	
Lift Linkage Feather Catch Enable Status	Enabled	
Dump Rate Control Enable Status	Enabled	
Dump Stop Snubbing Enable Status	Disabled	
Autodig Installation Status	Not Installed	
Raise Snubbing Enable Status	Enabled	
Lower Snubbing Enable Status	Enabled	
Rackback Snubbing Enable Status	Disabled	
Dump Snubbing Enable Status	Enabled	
Raise Solenoid #1 Start Current	0,681	Amps
Raise Solenoid #1 Maximum Current	1,258	Amps
Lower Solenoid #1 Start Current	0,642	Amps
Lower Solenoid #1 Maximum Current	1,270	Amps
Rackback Solenoid #1 Start Current	0,684	Amps
Rackback Solenoid #1 Maximum Current	1,379	Amps
Dump Solenoid #1 Start Current	0,672	Amps
Dump Solenoid #1 Maximum Current	1,099	Amps
Raise Valve Modulation Scale Factor	100,0	%
Lower Valve Modulation Scale Factor	100,0	%
Rackback Valve Modulation Scale Factor	100,0	%
Dump Valve Modulation Scale Factor	100,0	%
Production Measurement Feature Installation Status	Installed	
Payload Data Source Configuration	Caterpillar	
Production Measurement Feature Enable Status	Enabled	
Payload System Display Mode	Simplified	
Last Payload Weight	Conditions Not Met	tonne
Payload Control System Calibration Weight	4,700	tonne



Loader Bucket Payload Target Weight	10,9	tonne
Automatic Truck ID Feature	Not Enabled	
Automatic Material ID Feature	Not Enabled	
Tip-Off Trigger Type Configuration	Automatic	
Tip-Off Mode	Truck Body	
Payload Weigh Activate Lift Position	35,0	%
Payload Weigh Range Configuration	15,0	%
Payload Overload Warning Enable	Disabled	
Onboard Payload Printer Installation Status	Not Installed	
Payload Control System Number of Printer Tickets Configuration	1	
Onboard Payload Printer Number of Blank Lines Preceding Output	1	
Onboard Payload Printer Number of Blank Lines Following Output	1	
Onboard Payload Printer Truck Ticket Number	0	
Onboard Payload Printer Ticket Header Enable Status	Disabled	
Onboard Payload Printer Ticket Header Line #1	CATERPILLAR	
Onboard Payload Printer Ticket Header Line #2	TRUCK TICKET	
Onboard Payload Printer Ticket Header Line #3		
Onboard Payload Printer Ticket Bucket Weights Enable Status	Enabled	
Onboard Payload Printer Ticket Truck Payload Weight Enable Status	Enabled	
Onboard Payload Printer Ticket Truck ID Enable Status	Enabled	
Onboard Payload Printer Ticket Material ID Enable Status	Enabled	
Onboard Payload Printer Ticket Operator ID Enable Status	Enabled	
Onboard Payload Printer Date Format Configuration	DD-MM-YYYY	
Onboard Payload Printer Date Format Separator Character	-	
Onboard Payload Printer Ticket Payload Data Store Time Enable Status	Enabled	
Onboard Payload Printer Material Report Reset Time Enable Status	Enabled	
Onboard Payload Printer Truck Report Reset Time Enable Status	Enabled	

**Tool Configuration - Implement 982M (K1Y01545)**

**Transmission 982M (ECS00989)**

Parameter	Value
Product ID	K1Y01545
Equipment ID	
Transmission Serial Number	ECS00989

ECM Part Number	4559584-00
ECM Serial Number	29966219WF
Software Group Part Number	6172388-00
Software Group Release Date	NOV2021
Software Group Description	982 Transmission
Active Diagnostic Codes Present	No

**Logged Diagnostic Codes [Diagnostic Clock = 12308 hours] - Transmission 982M (ECS00989)**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

**Logged Event Codes [Diagnostic Clock = 12308 hours] - Transmission 982M (ECS00989)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Transmission 982M (ECS00989)**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Transmission 982M (ECS00989)**

Code	Description
No Active Event Codes	

**Current Totals - Transmission 982M (ECS00989)**

Description	Value	Unit
Total Forward Distance	50602,90	km
Total Neutral Gear Operating Hours	2958	hours
Total Hours Coasting In Neutral	0	hours
Total Distance Coasting In Neutral	0,0	km
Total Number of Coasting in Neutral Occurrences	0	
Total Number of Coasting in Neutral Protection Active Occurrences	56	
Total Hours Coasting in Neutral Protection Active	0,080	hours
Total Distance Coasting in Neutral Protection Active	1,3	km
Total Reverse Distance	17730,30	km
Total Powertrain Oil Filter Bypass Hours	0,20	hours

**Configuration - Transmission 982M (ECS00989)**

Description	Value	Unit
-------------	-------	------

Transmission Serial Number	ECS00989	
Lockup Clutch Installation Status	Installed	
Transmission Maximum Forward Gear	4	
Transmission Maximum Reverse Gear	4	
Forward to Reverse Desired Gear	2	
Reverse to Forward Desired Gear	2	
Ground Speed Limiter Installation Status	Not Installed	
Operator Requested Forward Machine Speed Limit	40,0	km/h
Operator Requested Reverse Machine Speed Limit	40,0	km/h
CTS Enabled	Enabled	
Tire Rolling Radius	886	mm
Economy Mode	Off	
Integrated Braking System Manual Mode Enable Status	Enabled	
Level Operation Neutralization Offset Setpoint	2,0	%
Moderate Slope Operation Neutralization Offset Setpoint	6,0	%
Aggressive Slope Operation Neutralization Offset Setpoint	10,0	%
Axle Oil Cooler Installation Status	Installed	
Advanced Machine Security System Installation Status	Not Installed	
Operator Identification Enable Status	Disabled	
Operator Management Radio Frequency Identification Device Enabled Status	Disabled	
Tire Monitoring System Installation Status	Not Installed	
Left Front Tire Pressure/Temperature Sensor Identification Number		
Right Front Tire Pressure/Temperature Sensor Identification Number		
Left Rear Tire Pressure/Temperature Sensor Identification Number		
Right Rear Tire Pressure/Temperature Sensor Identification Number		
Auto Lube System Installation Status	Installed	
Auto Lube System Configuration Code	2	
Auto Lube Cycle Configuration	25	
Lubrication Cycle Set Command	Cycle Mode #1	
Lubrication Operation Mode Set Command	Automatic	
DEF Level Full Alarm Enable Status	Enabled	
EngineerDataEnble	Disabled	

#### Lifetime:Time vs Torque Converter Outlet Temperature - Transmission 982M (ECS00989)

Torque Converter Outlet Temperature( Deg C )	hours	%
<60,0	1025,65	8,38
60,0-64,9	692,30	5,65
65,0-69,9	1231,20	10,06

70,0-74,9	3029,00	24,74
75,0-79,9	3846,80	31,42
80,0-84,9	1845,45	15,07
85,0-89,9	483,35	3,95
90,0-94,9	78,20	0,64
95,0-99,9	8,60	0,07
100,0-104,9	1,20	0,01
105,0-109,9	0,60	0,00
110,0-114,9	0,35	0,00
115,0-119,9	0,05	0,00
120,0-124,9	0,00	0,00
125,0-129,9	0,00	0,00
130,0-134,9	0,00	0,00
135,0-139,9	0,00	0,00
140,0-145,0	0,00	0,00
>145,0	0,00	0,00

#### Lifetime:Time vs Front Axle Oil Temperature - Transmission 982M (ECS00989)

Front Axle Oil Temperature( Deg C )	hours	%
<0,0	100,75	0,82
0,0-4,9	137,80	1,12
5,0-9,9	182,15	1,49
10,0-14,9	215,60	1,76
15,0-19,9	220,55	1,80
20,0-24,9	255,75	2,09
25,0-29,9	303,55	2,48
30,0-34,9	388,45	3,17
35,0-39,9	576,55	4,70
40,0-44,9	785,75	6,41
45,0-49,9	1017,90	8,30
50,0-54,9	1254,10	10,23
55,0-59,9	1344,85	10,97
60,0-64,9	1360,35	11,10
65,0-69,9	1214,80	9,91
70,0-74,9	999,75	8,16
75,0-79,9	720,00	5,87
80,0-84,9	495,50	4,04
85,0-89,9	297,75	2,43
90,0-94,9	192,45	1,57
95,0-99,9	101,75	0,83
100,0-104,9	48,20	0,39
105,0-109,9	21,70	0,18
110,0-114,9	14,15	0,12
115,0-119,9	6,75	0,06
120,0-124,9	0,15	0,00
125,0-129,9	0,00	0,00
130,0-135,0	0,00	0,00

>135,0	0,00	0,00
--------	------	------

**Lifetime:Time vs Rear Axle Oil Temperature - Transmission 982M (ECS00989)**

Rear Axle Oil Temperature( Deg C )	hours	%
<0,0	79,50	0,65
0,0-4,9	100,70	0,82
5,0-9,9	147,45	1,20
10,0-14,9	204,25	1,67
15,0-19,9	238,95	1,95
20,0-24,9	244,10	1,99
25,0-29,9	283,00	2,31
30,0-34,9	328,95	2,68
35,0-39,9	411,65	3,36
40,0-44,9	585,05	4,77
45,0-49,9	787,60	6,43
50,0-54,9	953,10	7,78
55,0-59,9	1137,70	9,28
60,0-64,9	1147,75	9,36
65,0-69,9	1125,00	9,18
70,0-74,9	993,70	8,11
75,0-79,9	865,80	7,06
80,0-84,9	743,15	6,06
85,0-89,9	602,55	4,92
90,0-94,9	477,20	3,89
95,0-99,9	328,15	2,68
100,0-104,9	215,10	1,75
105,0-109,9	125,15	1,02
110,0-114,9	64,40	0,53
115,0-119,9	43,40	0,35
120,0-124,9	16,15	0,13
125,0-129,9	5,50	0,04
130,0-135,0	1,55	0,01
>135,0	0,30	0,00

**Lifetime:Time vs Ground Speed - Transmission 982M (ECS00989)**

Ground Speed( km/h )	hours	%
<0,8	896,60	9,68
0,8-3,1	1612,40	17,41
3,2-5,5	1492,00	16,11
5,6-7,9	1716,65	18,53
8,0-10,4	1200,70	12,96
10,5-12,8	822,60	8,88
12,9-15,2	602,90	6,51
15,3-17,6	421,15	4,55
17,7-20,0	234,20	2,53
20,1-22,4	135,00	1,46
22,5-24,8	72,50	0,78

24,9-27,3	35,45	0,38
27,4-29,7	14,95	0,16
29,8-32,1	4,55	0,05
32,2-34,5	1,05	0,01
34,6-36,9	0,25	0,00
37,0-39,3	0,05	0,00
39,4-41,7	0,00	0,00
41,8-44,2	0,00	0,00
44,3-46,6	0,00	0,00
46,7-49,0	0,00	0,00
49,1-51,4	0,00	0,00
51,5-53,8	0,00	0,00
53,9-56,3	0,00	0,00
>56,3	0,00	0,00

#### Lifetime:Time vs Torque Converter Speed Ratio - Transmission 982M (ECS00989)

Torque Converter Speed Ratio( )	hours	%
<0,000	0,00	0,00
0,000-0,099	614,90	6,64
0,100-0,199	412,25	4,45
0,200-0,299	461,60	4,98
0,300-0,399	443,75	4,79
0,400-0,499	504,85	5,45
0,500-0,599	743,80	8,03
0,600-0,699	906,90	9,79
0,700-0,799	1006,45	10,87
0,800-0,899	1422,40	15,36
0,900-0,999	1511,40	16,32
1,000-1,099	732,70	7,91
1,100-1,199	116,10	1,25
1,200-1,299	99,00	1,07
1,300-1,399	96,45	1,04
1,400-1,499	73,40	0,79
1,500-1,599	55,80	0,60
1,600-1,699	30,00	0,32
1,700-1,800	16,55	0,18
>1,800	14,70	0,16

#### Ground Speed at Directional Shift Occurrences - Transmission 982M (ECS00989)

Ground Speed( km/h )		%
<0,8	206092,00	17,27
0,8-2,3	316209,00	26,50
2,4-3,9	172726,00	14,47
4,0-5,5	157696,00	13,21
5,6-7,1	176724,00	14,81
7,2-8,8	104319,00	8,74
8,9-10,4	44061,00	3,69

10,5-12,0	11674,00	0,98
12,1-13,6	2881,00	0,24
13,7-15,2	799,00	0,07
15,3-16,8	181,00	0,02
16,9-18,4	44,00	0,00
18,5-20,0	10,00	0,00
20,1-21,6	8,00	0,00
21,7-23,2	4,00	0,00
23,3-24,8	1,00	0,00
24,9-26,5	0,00	0,00
26,6-28,1	0,00	0,00
28,2-29,7	0,00	0,00
29,8-31,3	0,00	0,00
31,4-32,9	1,00	0,00
33,0-34,6	0,00	0,00
>34,6	0,00	0,00

### Shift Count Matrix - Transmission 982M (ECS00989)

To	N	R1	R2	R3	R4	1	2	3	4
From									
N	---	36	86356	79	20	3538	68533	380	315
R1	215	---	403	571	0	19	2459	0	0
R2	28962	3269	---	273116	3985	4045	729894	748	54
R3	2193	135	64012	---	16155	215	201935	336	15
R4	63	0	1142	10693	---	5	8264	3	5
1	15898	188	353494	7	0	---	6521	499	23
2	74007	36	464514	442	8	266199	---	587369	15308
3	32121	2	67892	84	2	88605	346892	---	200471
4	5793	1	6261	4	5	14004	43388	146735	---

### Diesel Exhaust Fluid Controller #1

Parameter	Value
Aftertreatment #1 DEF Dosing System Serial Number	PET003191M
Application Software Part Number	6194458-00

### Configuration - Diesel Exhaust Fluid Controller #1

Description	Value	Unit
Aftertreatment #1 DEF Dosing System Serial Number	PET003191M	
Application Software Part Number	6194458-00	

### Input/Output Module

Parameter	Value
ECM Part Number	2995744-06
ECM Serial Number	2666B056HZ
Software Group Part Number	4805894-00
Software Group Release Date	SEP2015
Software Group Description	Relay Driver Module

### C13 982 (T4F07649)

Parameter	Value
Equipment ID	K1Y01545
Engine Serial Number	T4F07649
ECM Part Number	4884877-00
ECM Serial Number	33366075QM
Software Group Part Number	5791597-00
Software Group Release Date	APR20
Software Group Description	MWL 980/982 PS
Operator Inducement Regulation Configuration	Worldwide

### Logged Diagnostic Codes [Diagnostic Clock = 12308 hours] - C13 982 (T4F07649)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

### Logged Event Codes [Diagnostic Clock = 12308 hours] - C13 982 (T4F07649)

Code	Description	Occ.	First	Last
E1389 (1)	Aftertreatment #1 SCR Operator Inducement	1	12308	12308

### Active Diagnostic Codes - C13 982 (T4F07649)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - C13 982 (T4F07649)

Code	Description
No Active Event Codes	

### System Communication Status - Active Problems - C13 982 (T4F07649)

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

### System Communication Status - Inactive Problems - C13 982 (T4F07649)

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

### Current Totals - C13 982 (T4F07649)

Description	Value	Unit
Total Idle Time	876:09	hours
Total Fuel	130258	L
Total Engine #1 Fuel	122648	L
Total Idle Fuel	5260	L
Total Max Fuel	371202	L
Engine Lifetime Hours	12320,0	hours



Average Load Factor	34	%
Engine Starts	1513	
Lifetime Total Engine Revolutions	340037576	rev
Total Operating Hours	12309	hours
Operator Inducement Emergency Override Total Activations	0	
Operator Inducement Emergency Override Total Resets	0	
Total Engine Idle Shutdown Count	217	
Total Engine Idle Shutdown Overrides Count	8	
Total Delayed Engine Shutdown Count	2002	
Total Delayed Engine Shutdown Overrides Count	83	
Starts/Hour	0,12	
Average RPM	460,01	rpm
Percentage Idle Time	7,11	%
Average Fuel Rate	10,57	L/h
Overall Load Factor	35	%
SCR Operator Inducement Emergency Override Total Activation Time	0	sec

### Configuration - C13 982 (T4F07649)

Description	Value	Unit
Equipment ID	K1Y01545	
Engine Serial Number	T4F07649	
ECM Part Number	4884877-00	
ECM Serial Number	33366075QM	
Software Group Part Number	5791597-00	
Software Group Release Date	APR20	
Software Group Description	MWL 980/982 PS	
Rating Number	2	
Rated Power	321 kW at 1700 rpm	
Rated Peak Torque	2182 N-m at 1200 rpm	
Ether Solenoid Configuration	Continuous Flow Solenoid	
Crankcase Pressure Sensor Installation Status	Installed	
Ambient Air Temperature Sensor Installation Status	Not Installed	
Fuel/Water Separator Switch Installation Status	Installed	
Low System Battery Voltage Elevated Idle	Enabled	
Engine Coolant Dual Pressure Sensors Installation Status	Not Installed	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	

Transmission Engaged Engine Low Idle Speed Configuration	800	rpm
Machine Working Engine Low Idle Speed Configuration	800,0	rpm
Machine Hibernating Engine Low Idle Speed Configuration	750,0	rpm
Engine Idle Shutdown Enable Status	Enabled	
Engine Idle Shutdown Delay Time	60,0	min
Engine Idle Shutdown Ambient Temperature Override Enable Status	Disabled	
Delayed Engine Shutdown Enable Status	Enabled	
Delayed Engine Shutdown Maximum Time	15,0	min
Engine Fan Reversing Feature	Disabled	
Engine Fan Purge Cycle Interval	1200	sec
Engine Fan Purge Cycle Duration	25,0	sec
ARD Manual Disable Status	Not Disabled	
High Soot Load Aftertreatment Protection Enable Status	Enabled	
Operator Inducement Progress Configuration	Reduced Performance	
Operator Inducement Regulation Configuration	Worldwide	
Operator Inducement Emergency Override Enable Status	Disabled	
Operator Inducement Emergency Override Activation	Not Activated	
Operator Final Inducement Action	Shutdown	
Delayed Engine Shutdown Aftertreatment Gas Temperature Threshold	270,0	Deg C
Aftertreatment #1 DEF Quality Sensor Installation Status	Installed	
DPF Type	Type 1	
FLS	-10	
FTS	9	
CAN Communication Protocol Write Security	Seed and Key Access	
CAN Communication Protocol Read Security	Seed and Key Access	
Total Tattletale	22	

#### Lifetime:Accumulated Time vs Intake Manifold Pressure - C13 982 (T4F07649)

Intake Manifold Pressure( kPa )	hours	%
<80,00	0,40	0,14
80,00-89,99	0,90	0,31
90,00-99,99	2,15	0,75
100,00-109,99	3,85	1,34
110,00-119,99	5,00	1,74
120,00-129,99	5,95	2,07
130,00-139,99	8,15	2,83
140,00-149,99	12,15	4,22
150,00-159,99	17,40	6,04

160,00-169,99	23,65	8,21
170,00-179,99	29,80	10,35
180,00-189,99	45,20	15,69
190,00-199,99	65,90	22,88
200,00-209,99	45,55	15,82
210,00-219,99	17,60	6,11
220,00-229,99	3,60	1,25
230,00-239,99	0,70	0,24
240,00-249,99	0,05	0,02
250,00-259,99	0,00	0,00
260,00-269,99	0,00	0,00
270,00-279,99	0,00	0,00
280,00-289,99	0,00	0,00
290,00-299,99	0,00	0,00
300,00-309,99	0,00	0,00
310,00-319,99	0,00	0,00
320,00-329,99	0,00	0,00
330,00-339,99	0,00	0,00
340,00-349,99	0,00	0,00
350,00-359,99	0,00	0,00
360,00-369,99	0,00	0,00
370,00-379,99	0,00	0,00
380,00-389,99	0,00	0,00
390,00-399,99	0,00	0,00
400,00-409,99	0,00	0,00
410,00-419,99	0,00	0,00
420,00-429,99	0,00	0,00
430,00-439,99	0,00	0,00
440,00-449,99	0,00	0,00
450,00-459,99	0,00	0,00
460,00-469,99	0,00	0,00
470,00-479,99	0,00	0,00
480,00-489,99	0,00	0,00
490,00-499,99	0,00	0,00
500,00-509,99	0,00	0,00
510,00-519,99	0,00	0,00
520,00-529,99	0,00	0,00
530,00-539,99	0,00	0,00
540,00-549,99	0,00	0,00
550,00-559,99	0,00	0,00
560,00-569,99	0,00	0,00
570,00-579,99	0,00	0,00
580,00-589,99	0,00	0,00
590,00-600,00	0,00	0,00
>600,00	0,00	0,00

**Lifetime:Accumulated Time vs Engine Coolant Temperature - C13 982 (T4F07649)**

Engine Coolant Temperature(	hours	%
-----------------------------	-------	---

Deg C )		
<0,00	0,20	0,00
0,00-4,99	0,05	0,00
5,00-9,99	0,35	0,01
10,00-14,99	1,20	0,02
15,00-19,99	2,75	0,06
20,00-24,99	4,90	0,10
25,00-29,99	7,45	0,15
30,00-34,99	10,20	0,21
35,00-39,99	12,30	0,25
40,00-44,99	11,25	0,23
45,00-49,99	10,90	0,22
50,00-54,99	12,70	0,26
55,00-59,99	13,75	0,28
60,00-64,99	17,75	0,37
65,00-69,99	28,30	0,58
70,00-74,99	46,45	0,96
75,00-79,99	524,00	10,80
80,00-84,99	4035,80	83,21
85,00-89,99	106,40	2,19
90,00-94,99	3,50	0,07
95,00-99,99	0,00	0,00
100,00-104,99	0,00	0,00
105,00-109,99	0,00	0,00
110,00-114,99	0,00	0,00
115,00-119,99	0,00	0,00
120,00-124,99	0,00	0,00
125,00-129,99	0,00	0,00
130,00-134,99	0,00	0,00
135,00-139,99	0,00	0,00
140,00-144,99	0,00	0,00
145,00-150,00	0,00	0,00
>150,00	0,00	0,00

**Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C13 982 (T4F07649)**

Engine Speed( rpm )		%
2500,0-2599,9	303,00	88,60
2600,0-2699,9	38,00	11,11
2700,0-2799,9	1,00	0,29
2800,0-2899,9	0,00	0,00
2900,0-2999,9	0,00	0,00
3000,0-3099,9	0,00	0,00
3100,0-3199,9	0,00	0,00
3200,0-3299,9	0,00	0,00
3300,0-3400,0	0,00	0,00
>3400,0	0,00	0,00

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 982 (T4F07649)**

rpm	<600,0	600,0-649,9	650,0-699,9	700,0-749,9	750,0-799,9	800,0-849,9	850,0-899,9	900,0-949,9	950,0-999,9
%									
<0,0	0,20	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0,0-9,9	0,00	0,00	0,05	171,05	340,80	209,10	21,40	20,80	50,65
10,0-19,9	0,00	0,00	0,10	2,40	43,70	58,15	12,65	14,20	18,15
20,0-29,9	0,00	0,00	0,10	1,30	4,65	5,15	5,05	7,15	10,15
30,0-39,9	0,00	0,00	0,05	0,50	1,25	1,65	2,10	3,10	4,50
40,0-49,9	0,00	0,00	0,05	0,15	0,45	0,70	0,90	1,40	2,00
50,0-59,9	0,00	0,00	0,00	0,05	0,20	0,30	0,40	0,70	1,00
60,0-69,9	0,00	0,00	0,00	0,05	0,10	0,15	0,20	0,25	0,40
70,0-79,9	0,00	0,00	0,00	0,00	0,00	0,05	0,05	0,10	0,15
80,0-89,9	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,05	0,05
90,0-100,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,05
>100,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	0,20	0,00	0,35	175,50	391,15	275,25	42,75	47,75	87,10

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 982 (T4F07649)**

rpm	1000,0-1049,9	1050,0-1099,9	1100,0-1149,9	1150,0-1199,9	1200,0-1249,9	1250,0-1299,9	1300,0-1349,9	1350,0-1399,9	1400,0-1449,9
%									
<0,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0,0-9,9	65,15	54,90	59,90	38,20	35,25	30,10	27,65	24,75	20,45
10,0-19,9	23,55	30,15	36,05	37,85	37,55	37,75	35,95	30,30	23,20
20,0-29,9	15,55	31,55	44,25	50,20	55,75	63,45	61,25	49,55	37,80
30,0-39,9	6,60	12,45	18,15	25,40	34,75	47,70	60,80	66,40	64,40
40,0-49,9	3,10	5,45	8,90	13,50	20,15	28,25	34,40	39,75	45,10
50,0-59,9	1,65	3,00	4,95	7,50	11,30	15,90	19,65	23,05	26,25
60,0-69,9	0,65	1,30	2,35	3,95	6,10	9,00	11,60	13,55	15,30
70,0-79,9	0,25	0,55	0,95	1,65	2,50	3,60	4,65	5,70	7,25
80,0-89,9	0,10	0,25	0,50	0,80	1,20	1,95	2,65	3,65	6,60

90,0-100,0	0,20	0,95	2,20	3,40	4,80	6,65	8,45	10,25	11,90
>100,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	116,80	140,55	178,20	182,45	209,35	244,35	267,05	266,95	258,25

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 982 (T4F07649)**

rpm	1450,0-1499,9	1500,0-1549,9	1550,0-1599,9	1600,0-1649,9	1650,0-1699,9	1700,0-1749,9	1750,0-1799,9	1800,0-1849,9	1850,0-1899,9
%									
<0,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0,0-9,9	14,25	11,90	10,45	9,05	7,50	6,55	5,45	4,60	3,90
10,0-19,9	17,25	12,60	8,85	6,60	5,00	3,85	3,05	2,45	2,10
20,0-29,9	28,65	20,40	14,30	10,40	8,00	6,80	5,60	4,50	3,35
30,0-39,9	59,80	44,25	25,10	15,00	10,90	9,30	7,55	5,50	4,05
40,0-49,9	53,25	58,65	50,45	33,65	20,15	11,85	7,65	5,55	4,20
50,0-59,9	30,80	35,15	39,80	42,35	37,35	27,65	16,10	8,70	5,30
60,0-69,9	17,50	19,80	21,25	22,35	22,30	21,75	20,35	16,60	9,60
70,0-79,9	9,25	10,95	12,00	13,20	14,45	15,45	16,60	18,25	18,40
80,0-89,9	13,05	18,10	15,00	12,85	15,40	20,75	21,05	22,70	32,40
90,0-100,0	9,80	8,70	16,30	22,30	23,00	21,45	25,45	30,15	35,45
>100,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	253,60	240,50	213,50	187,75	164,05	145,40	128,85	119,00	118,75

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 982 (T4F07649)**

rpm	1900,0-1949,9	1950,0-1999,9	2000,0-2049,9	2050,0-2099,9	2100,0-2149,9	2150,0-2199,9	2200,0-2249,9	2250,0-2299,9	2300,0-2349,9
%									
<0,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0,0-9,9	3,30	2,70	2,15	1,70	1,25	0,90	0,75	0,55	0,35
10,0-19,9	1,65	1,15	0,70	0,40	0,20	0,10	0,30	0,30	0,00
20,0-29,9	2,45	1,75	1,15	0,70	0,35	0,20	0,20	0,10	0,00
30,0-39,9	3,05	2,25	1,60	1,05	0,55	0,30	0,25	0,30	0,00
40,0-49,9	3,40	2,80	2,30	1,75	1,10	0,50	0,50	0,90	0,00
50,0-59,9	3,80	2,90	2,40	1,95	1,50	0,80	0,55	0,60	0,00
60,0-69,9	4,40	2,55	1,85	1,45	1,15	0,70	0,45	0,40	0,05

70,0-79,9	14,85	8,70	3,80	2,25	1,55	0,95	0,50	0,25	0,00
80,0-89,9	47,75	33,65	10,60	3,65	2,85	1,45	0,95	0,30	0,00
90,0-100,0	27,55	12,45	4,80	1,80	1,25	1,40	0,95	0,25	0,05
>100,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	112,20	70,90	31,35	16,70	11,75	7,30	5,40	3,95	0,45

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 982 (T4F07649)**

rpm	2350,0-2400,0	>2400,0	Total
%			
<0,0	0,00	0,00	0,20
0,0-9,9	0,25	0,35	1258,10
10,0-19,9	0,00	0,00	508,25
20,0-29,9	0,00	0,00	551,80
30,0-39,9	0,00	0,00	540,60
40,0-49,9	0,00	0,00	462,90
50,0-59,9	0,00	0,00	373,60
60,0-69,9	0,00	0,00	249,45
70,0-79,9	0,00	0,00	188,85
80,0-89,9	0,00	0,00	290,30
90,0-100,0	0,00	0,00	291,95
>100,0	0,00	0,00	0,00
Total	0,25	0,35	4716,00

**Lifetime:Accumulated Time vs Intake Manifold Air Temperature - C13 982 (T4F07649)**

Intake Manifold Air Temperature( Deg C )	hours	%
<0,00	145,35	3,00
0,00-4,99	119,80	2,47
5,00-9,99	152,30	3,14
10,00-14,99	184,80	3,81
15,00-19,99	264,60	5,46
20,00-24,99	380,15	7,84
25,00-29,99	513,65	10,59
30,00-34,99	661,80	13,64
35,00-39,99	797,15	16,44
40,00-44,99	771,20	15,90
45,00-49,99	517,85	10,68
50,00-54,99	233,95	4,82
55,00-59,99	75,85	1,56
60,00-64,99	18,80	0,39
65,00-69,99	3,50	0,07
70,00-74,99	0,60	0,01
75,00-79,99	4,20	0,09
80,00-84,99	4,65	0,10
85,00-89,99	0,05	0,00

90,00-94,99	0,00	0,00
95,00-99,99	0,00	0,00
100,00-104,99	0,00	0,00
105,00-109,99	0,00	0,00
110,00-114,99	0,00	0,00
115,00-120,00	0,00	0,00
>120,00	0,00	0,00

### High Exhaust Temperature Prevention Derate Time - C13 982 (T4F07649)

Deg C	<40,00	40,00-44,99	45,00-49,99	50,00-54,99	55,00-59,99	60,00-64,99	65,00-69,99	70,00-74,99	75,00-79,99
kPa									
<60,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
60,00-67,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
68,00-75,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
76,00-83,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
84,00-91,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
92,00-100,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
>100,00	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

### High Exhaust Temperature Prevention Derate Time - C13 982 (T4F07649)

Deg C	80,00-84,99	85,00-89,99	90,00-94,99	95,00-100,00	>100,00	Total
kPa						
<60,00	0,00	0,00	0,00	0,00	0,00	0,00
60,00-67,99	0,00	0,00	0,00	0,00	0,00	0,00
68,00-75,99	0,00	0,00	0,00	0,00	0,00	0,00
76,00-83,99	0,00	0,00	0,00	0,00	0,00	0,00
84,00-91,99	0,00	0,00	0,00	0,00	0,00	0,00
92,00-100,00	0,00	0,00	0,00	0,00	0,00	0,00
>100,00	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

### Lifetime:Accumulated Time vs Engine Speed - C13 982 (T4F07649)

Engine Speed( rpm )	hours	%
<550,0	0,25	0,01
550,0-599,9	0,00	0,00
600,0-649,9	0,05	0,00
650,0-699,9	0,40	0,01
700,0-749,9	181,30	3,74
750,0-799,9	418,45	8,63
800,0-849,9	303,30	6,25
850,0-899,9	43,45	0,90
900,0-949,9	48,45	1,00
950,0-999,9	95,20	1,96



1000,0-1049,9	126,25	2,60
1050,0-1099,9	146,75	3,03
1100,0-1149,9	185,45	3,82
1150,0-1199,9	188,25	3,88
1200,0-1249,9	212,60	4,38
1250,0-1299,9	245,65	5,06
1300,0-1349,9	268,50	5,54
1350,0-1399,9	268,50	5,54
1400,0-1449,9	261,20	5,39
1450,0-1499,9	256,25	5,28
1500,0-1549,9	242,85	5,01
1550,0-1599,9	220,90	4,55
1600,0-1649,9	194,55	4,01
1650,0-1699,9	165,00	3,40
1700,0-1749,9	146,15	3,01
1750,0-1799,9	129,55	2,67
1800,0-1849,9	119,75	2,47
1850,0-1899,9	119,35	2,46
1900,0-1949,9	112,70	2,32
1950,0-1999,9	71,35	1,47
2000,0-2049,9	31,50	0,65
2050,0-2099,9	16,75	0,35
2100,0-2149,9	11,75	0,24
2150,0-2199,9	7,35	0,15
2200,0-2249,9	5,45	0,11
2250,0-2299,9	4,10	0,08
2300,0-2349,9	0,55	0,01
2350,0-2399,9	0,25	0,01
2400,0-2449,9	0,15	0,00
2450,0-2499,9	0,10	0,00
2500,0-2549,9	0,05	0,00
2550,0-2599,9	0,00	0,00
2600,0-2649,9	0,00	0,00
2650,0-2699,9	0,00	0,00
2700,0-2749,9	0,00	0,00
2750,0-2799,9	0,00	0,00
2800,0-2849,9	0,00	0,00
2850,0-2899,9	0,00	0,00
2900,0-2949,9	0,00	0,00
2950,0-2999,9	0,00	0,00
3000,0-3049,9	0,00	0,00
3050,0-3099,9	0,00	0,00
3100,0-3149,9	0,00	0,00
3150,0-3199,9	0,00	0,00
3200,0-3249,9	0,00	0,00
3250,0-3299,9	0,00	0,00
3300,0-3349,9	0,00	0,00
3350,0-3400,0	0,00	0,00

>3400,0	0,00	0,00
---------	------	------

**Lifetime:Accumulated Time vs Air Inlet Temperature - C13 982 (T4F07649)**

Air Inlet Temperature( Deg C )	hours	%
<(-20,00)	0,20	0,00
(-20,00)-(-15,01)	0,00	0,00
(-15,00)-(-10,01)	5,05	0,10
(-10,00)-(-5,01)	30,80	0,64
(-5,00)-(-0,01)	101,05	2,08
0,00-4,99	260,90	5,38
5,00-9,99	540,15	11,14
10,00-14,99	869,20	17,92
15,00-19,99	738,50	15,23
20,00-24,99	780,80	16,10
25,00-29,99	639,95	13,19
30,00-34,99	500,35	10,32
35,00-39,99	261,40	5,39
40,00-44,99	88,10	1,82
45,00-49,99	31,25	0,64
50,00-54,99	2,55	0,05
55,00-59,99	0,00	0,00
60,00-64,99	0,00	0,00
65,00-69,99	0,00	0,00
70,00-74,99	0,00	0,00
75,00-80,00	0,00	0,00
>80,00	0,00	0,00

**High Turbo Speed Prevention Derate Time - C13 982 (T4F07649)**

Deg C	<5,00	5,00-14,99	15,00-24,99	25,00-34,99	35,00-44,99	45,00-54,99	55,00-65,00	>65,00	Total
kPa									
<60,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
60,00-67,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
68,00-75,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
76,00-83,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
84,00-91,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
92,00-100,00	0,00	0,00	0,00	0,05	0,00	0,00	0,00	0,00	0,05
>100,00	0,00	0,00	0,00	0,05	0,00	0,00	0,00	0,00	0,05
Total	0,00	0,00	0,00	0,10	0,00	0,00	0,00	0,00	0,10

**Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C13 982 (T4F07649)**

%	<40	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119
---	-----	-------	-------	-------	-------	-------	-------	---------	---------

ARD Manual Disable Status									
0	1572,20	543,55	621,00	795,10	1244,55	85,40	8,60	2,40	0,55
1	0,05	0,00	0,20	1,35	1,65	0,00	0,50	0,00	0,00
Total	1572,25	543,55	621,20	796,45	1246,20	85,40	9,10	2,40	0,55

**Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C13 982 (T4F07649)**

%	120-129	130-140	>140	Total
ARD Manual Disable Status				
0	0,40	0,00	0,00	4873,75
1	0,00	0,00	0,00	3,75
Total	0,40	0,00	0,00	4877,50

**Injector Trim Calibration - C13 982 (T4F07649)**

Injector	Serial Number	File Version
Injector1	000000005C003513407F	9
Injector2	000000005C0035136647	9
Injector3	000000005C0035134178	9
Injector4	000000005C0035136152	9
Injector5	000000005C0035136055	9
Injector6	000000005C003513625B	9

**Monitoring System - C13 982 (T4F07649)**

Description	State	Trip Point	Delay Time
<b>Engine Overspeed</b>			
Least Severe (1)	Always On	2600 rpm	0 sec
Most Severe (3)	Always On	2800 rpm	0 sec
<b>High Air Inlet #1 Differential Pressure</b>			
Least Severe (1)	Always On	6,5 kPa	0 sec
Moderate Severity (2)	Always On	6,5 kPa	0 sec
<b>High Engine Coolant Temperature</b>			
Least Severe (1)	Always On	109 Deg C	10 sec
Moderate Severity (2)	Always On	111 Deg C	20 sec
<b>High Fuel Temperature</b>			
Moderate Severity (2)	Always On	79,0 Deg C	30 sec
<b>High Fuel/Water Separator Water Level</b>			
Least Severe (1)	Always On	None	40 sec
Moderate Severity (2)	Always On	None	3600 sec
<b>High Intake Manifold Air Temperature</b>			
Least Severe (1)	Always On	115,0 Deg C	4 sec
Moderate Severity (2)	Always On	120,0 Deg C	4 sec

<b>Low Engine Oil Pressure</b>			
Least Severe (1)	Always On	None	8 sec
Most Severe (3)	Always On	None	4 sec

**Graphical Display (K1Y01545)**

Parameter	Value
ECM Part Number	4592220-02
ECM Serial Number	3446G035ZU
Software Group Part Number	5996409-00
Software Group Release Date	MAY2020
Software Group Description	MWL_ Information Display

**Logged Diagnostic Codes - Graphical Display (K1Y01545)**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

**Logged Event Codes - Graphical Display (K1Y01545)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Graphical Display (K1Y01545)**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Graphical Display (K1Y01545)**

Code	Description
No Active Event Codes	

**Configuration - Graphical Display (K1Y01545)**

Description	Value	Unit
Product ID	K1Y01545	
Service Mode Enable Code	1234	
Display Language Status	Dutch (Netherlands)	
Information Units Status	Metric	
Display Weight Units Configuration	Tonne (metric)	
Display System Mode	Normal	
Camera System Installation Status	Installed	
Number of Cameras	1	
Object Detection System Enable Status	Disabled	
Object Detection System Radar Type Configuration Code	Disabled or Not Installed	
Object Detection Alarm Mode	Disabled or Not Installed	