

Cat Electronic Technician 2022A v1.0

Product Status Report

24.10.2023 13:23

Product Status Report

Parameter	Value
Product ID	B1P05187
Equipment ID	B1P05187
Comments	

Transmission 740 (MRF06602)

Parameter	Value
Product ID	B1P05187
Equipment ID	B1P05187
ECM Part Number	3045687-01
ECM Serial Number	28486822MS
Software Group Part Number	3451673-00
Software Group Release Date	APR2010
Software Group Description	740 (B1P00622 up)

Logged Diagnostic Codes [Diagnostic Clock = 2187 hours] - Transmission 740 (MRF06602)

Code	Description	Occ.	First	Last
246- 9	Proprietary CAN Data Link : Abnormal Update Rate	30	1735	2186
700- 2	Transmission Gear Sensor : Erratic, Intermittent, or Incorrect	40	1684	2186
96- 3	Fuel Level Sensor : Voltage Above Normal	8	2183	2183
702- 4	Transmission Gear Lever Selector Sensor (Switch) : Voltage Below Normal	12	2183	2183

Logged Event Codes [Diagnostic Clock = 2187 hours] - Transmission 740 (MRF06602)

Code	Description	Occ.	First	Last
E047 (1)	Transmission Abuse Warning	73	587	2157
E627 (1)	Parking Brake Applied with Machine in Motion	2	1763	2104
E542 (3)	Low Steering Pump Pressure	1	1940	1940
E556 (3)	Low Brake Pump Pressure	1	1100	1100

Active Diagnostic Codes - Transmission 740 (MRF06602)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Transmission 740 (MRF06602)

Code	Description
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N	---	4523	9437	2	0	2	12	3	1
R	6749	---	6757	0	0	0	0	0	0
1	5652	9206	---	17079	6	0	0	0	0
2	850	306	13617	---	18482	6	0	0	0
3	319	99	1289	15477	---	20067	1	0	0
4	35	52	474	697	18662	---	18156	0	0
5	3	5	35	6	100	17963	---	10258	0
6	1	0	5	0	2	38	10210	---	3397
7	1	0	1	0	0	0	2	3394	---

Counters - Transmission 740 (MRF06602)

Description	Value
Lockup Clutch Count	177525
Differential Lock Kickout Occurrences	10
Differential Lock Switch Cycles	1821
Interaxle Differential Lock Solenoid Cycles	1821
Front Cross Axle Lock Solenoid Cycles	173
Top Drive Gear Switch Cycles	526
Transmission Hold Override Occurrences	29172
Transmission Hold Switch Cycles	19416
Service Brake Pressure Switch Cycles	38109
Parking Brake Pressure Switch Cycles	9939
Parking Brake Solenoid Cycles	10232
Starter Relay Cycles	2512

Telematics Aftermarket Device (B1P05187)

Parameter	Value
Product ID	B1P05187
Machine Serial Number	
Equipment ID	
ECM Part Number	5157080-02
ECM Serial Number	17071200G0H00018
Software Group Part Number	6365194-00
Software Group Release Date	Jan2023
Software Group Description	AM_TELEMATICS_2023_01_10
Application Software Part Number	

Logged Diagnostic Codes [Total Operating Hours = 2187 hours] - Telematics Aftermarket Device (B1P05187)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Total Operating Hours = 2187 hours] - Telematics Aftermarket Device (B1P05187)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Telematics Aftermarket Device (B1P05187)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Telematics Aftermarket Device (B1P05187)

Code	Description
No Active Events	

Current Totals - Telematics Aftermarket Device (B1P05187)

Description	Value	Unit
Total Operating Hours	2187,0	hours
Total Distance	6834,20	km

Configuration - Telematics Aftermarket Device (B1P05187)

Description	Value	Unit
Product ID	B1P05187	
Equipment ID		
Machine Serial Number		
Wi-Fi Device Factory Reset	Not Reset	
Security System Tamper Resistant Configuration	Not Installed	
Engine Running Switch Installation Status	Not Installed	
Left Track Link Wear Sensor Installation Status	Not Installed	
Right Track Link Wear Sensor Installation Status	Not Installed	
Left Track Link Wear Sensor MAC Address	FF:FF:FF:FF:FF:FF	
Right Track Link Wear Sensor MAC Address	FF:FF:FF:FF:FF:FF	

C15 740 (LHX24477)

Parameter	Value
Product ID	B1P05187
Equipment ID	B1P05187
Engine Serial Number	LHX24477
ECM Part Number	2622878-01
ECM Serial Number	19796412JL
Software Group Part Number	3363521-00
Software Group Release Date	FEB09
Software Group Description	AT-740
Active Diagnostic Codes Present	No

Logged Diagnostic Codes [Diagnostic Clock = 2186 hours] - C15 740 (LHX24477)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 2186 hours] - C15 740 (LHX24477)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - C15 740 (LHX24477)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - C15 740 (LHX24477)

Code	Description
No Active Events	

Current Totals - C15 740 (LHX24477)

Description	Value	Unit
Total Fuel	59122	L
Ether Usage	Unavailable	L
Total Idle Time	830:51	hours
Total Idle Fuel	6279	L
Total Max Fuel	194817	L
Total Operating Hours	2187	hours
Engine Starts	2433	
Lifetime Total Engine Revolutions	161493820	rev
Starts/Hour	1,11	
Average RPM	1231,27	rpm
Percentage Idle Time	37,97	%
Average Fuel Rate	27,05	L/h
Overall Load Factor	30	%

Configuration - C15 740 (LHX24477)

Description	Value	Unit
Product ID	B1P05187	
Equipment ID	B1P05187	
Engine Serial Number	LHX24477	
ECM Part Number	2622878-01	
ECM Serial Number	19796412JL	
Software Group Part Number	3363521-00	
Software Group Release Date	FEB09	
Software Group Description	AT-740	
Engine Fan Control	On	
Ether Solenoid Configuration	Not Installed	
Engine Warm Up Elevated Idle Feature Enable Status	Disabled	
Engine Warm Up Elevated Idle Delay Time	5,0	min
PTO Engine Speed Setting	1500	rpm

Security System Immobilizer Installation Status	Disabled or Not Installed	
Engine Governor Primary Mode Configuration	Speed Control	
FLS	-38	
FTS	54	
Total Tattletale	1	

Lifetime: Time vs Engine Coolant Temperature - C15 740 (LHX24477)

Engine Coolant Temperature(Deg C)	hours	%
<50,0	181,00	8,39
50,0-54,0	68,20	3,16
55,0-59,0	77,20	3,58
60,0-64,0	93,75	4,35
65,0-69,0	112,50	5,22
70,0-74,0	158,90	7,37
75,0-79,0	571,90	26,52
80,0-84,0	566,80	26,28
85,0-89,0	303,65	14,08
90,0-94,0	22,70	1,05
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 - C15 740 (LHX24477)

Inlet Air Temperature(Deg C)	hours	%
<40,0	91,95	78,16
40,0-44,0	17,65	15,00
45,0-49,0	6,20	5,27
50,0-54,0	1,70	1,44
55,0-59,0	0,15	0,13
60,0-64,0	0,00	0,00
65,0-69,0	0,00	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 - C15 740 (LHX24477)

Boost Pressure(kPa)	hours	%
<80,0	7,45	6,34
80,0-89,0	6,50	5,53

90,0-99,0	9,00	7,66
100,0-109,0	3,90	3,32
110,0-119,0	3,40	2,89
120,0-129,0	4,15	3,53
130,0-139,0	8,75	7,44
140,0-149,0	25,35	21,57
150,0-159,0	40,65	34,58
160,0-169,0	5,55	4,72
170,0-179,0	2,20	1,87
180,0-189,0	0,65	0,55
190,0-199,0	0,00	0,00
>200,0	0,00	0,00

Lifetime: Time vs Engine Speed And Engine Load Factor - C15 740 (LHX24477)

rpm	<1100	1100-1299	1300-1499	1500-1699	1700-1899	1900-2099	2100-2299	>2300	Total
%									
<50,0	406,45	115,35	191,70	287,15	26,60	1,90	0,10	0,00	1029,25
50,0-59,9	1,20	5,45	34,85	53,35	11,40	1,60	0,10	0,00	107,95
60,0-69,9	0,90	6,20	28,30	42,60	13,05	2,10	0,30	0,00	93,45
70,0-79,9	0,70	4,05	17,65	28,50	10,00	2,75	0,70	0,00	64,35
80,0-89,9	0,60	3,40	12,60	18,30	7,70	2,85	1,40	0,00	46,85
>90,0	1,10	10,25	38,70	41,20	20,25	10,65	1,75	0,00	123,90
Total	410,95	144,70	323,80	471,10	89,00	21,85	4,35	0,00	1465,75

Lifetime: Total Occurrences vs Engine Speed - C15 740 (LHX24477)

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: Total Occurrences vs Engine Speed And Engine Retarder Status - C15 740 (LHX24477)

rpm	<1000	1000-1299	1300-1599	1600-1899	1900-2199	2200-2499	2500-2799	>2800	Total
Engine Retarder Status									
<0,0	0	0	0	0	0	0	0	0	0
0,0-3,9	4130	4968	4082	1033	50	0	0	0	14263

>4,0	0	0	0	0	0	0	0	0	0
Total	4130	4968	4082	1033	50	0	0	0	14263

Lifetime: Time vs Engine Speed And Boost Pressure - C15 740 (LHX24477)

rpm	<1900	1900-2099	2100-2299	2300-2499	2500-2699	2700-2899	>2900	Total
kPa								
<50,0	3,15	0,00	0,00	0,00	0,00	0,00	0,00	3,15
50,0-79,9	0,25	0,00	0,00	0,00	0,00	0,00	0,00	0,25
80,0-109,9	0,05	0,00	0,00	0,00	0,00	0,00	0,00	0,05
110,0-139,9	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
140,0-169,9	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
170,0-199,9	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
>200,0	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total	3,45	0,00	0,00	0,00	0,00	0,00	0,00	3,45

Injector Trim Calibration - C15 740 (LHX24477)

Injector	Serial Number	File Version
Injector1	000000005A51797832C2	0
Injector2	000000005A517978489F	0
Injector3	000000005A51797857A7	0
Injector4	000000005A51797827CC	0
Injector5	000000005A51797831CB	0
Injector6	000000005A51797835D7	0

Monitoring System - C15 740 (LHX24477)

Description	State	Trip Point	Delay Time
<u>Engine Overspeed</u>			
Least Severe (1)	Always On	2550 rpm	0 sec
Moderate Severity (2)	Always On	2600 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 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 Filter Pressure Restriction</u>			
Least Severe (1)	Always On	None	3600 sec
Moderate Severity (2)	Always On	None	14400 sec

High Fuel Pressure			
Least Severe (1)	Always On	758,0 kPa	8 sec
High Fuel Temperature			
Least Severe (1)	Always On	90,0 Deg C	30 sec
Moderate Severity (2)	Always On	91,0 Deg C	10 sec
Low Engine Oil Pressure			
Least Severe (1)	Always On	None	8 sec
Moderate Severity (2)	Always On	None	4 sec