

# Cat Electronic Technician 2019C v1.0

## Product Status Report

8/26/2024 4:34 AM

### Product Status Report

| Parameter    | Value    |
|--------------|----------|
| Product ID   | B1P06098 |
| Equipment ID | 740      |
| Comments     |          |

### Monitor OHT (B1P06098)

| Parameter                   | Value        |
|-----------------------------|--------------|
| Equipment ID                | B1P06098     |
| ECM Part Number             | 2395025-11   |
| ECM Serial Number           | 2850B045HL   |
| Software Group Part Number  | 3382686-00   |
| Software Group Release Date | JAN09        |
| Software Group Description  | AT Messenger |

### Logged Diagnostic Codes [Diagnostic Clock = 9199 hours] - Monitor OHT (B1P06098)

| Code                       | Description | Occ. | First | Last |
|----------------------------|-------------|------|-------|------|
| No Logged Diagnostic Codes |             |      |       |      |

### Logged Event Codes [Diagnostic Clock = 9199 hours] - Monitor OHT (B1P06098)

| Code                  | Description | Occ. | First | Last |
|-----------------------|-------------|------|-------|------|
| No Logged Event Codes |             |      |       |      |

### Active Diagnostic Codes - Monitor OHT (B1P06098)

| Code                       | Description |
|----------------------------|-------------|
| No Active Diagnostic Codes |             |

### Active Event Codes - Monitor OHT (B1P06098)

| Code                  | Description |
|-----------------------|-------------|
| No Active Event Codes |             |

### Configuration - Monitor OHT (B1P06098)

| Description  | Value    | Unit |
|--------------|----------|------|
| Equipment ID | B1P06098 |      |
| Product ID   | B1P06098 |      |

|                          |   |  |
|--------------------------|---|--|
| Service Mode Enable Code | 0 |  |
|--------------------------|---|--|

### Telematics Aftermarket Device (B1P06098)

| Parameter                        | Value                    |
|----------------------------------|--------------------------|
| Product ID                       | B1P06098                 |
| Machine Serial Number            |                          |
| Equipment ID                     | 740                      |
| ECM Part Number                  | 5157080-04               |
| ECM Serial Number                | 18030700G0340018         |
| Software Group Part Number       | 6070942-00               |
| Software Group Release Date      | Feb2021                  |
| Software Group Description       | AM_TELEMATICS_2021_02_05 |
| Application Software Part Number |                          |

### Logged Diagnostic Codes [Total Operating Hours = 9199 hours] - Telematics Aftermarket Device (B1P06098)

| Code                       | Description | Occ. | First | Last |
|----------------------------|-------------|------|-------|------|
| No Logged Diagnostic Codes |             |      |       |      |

### Logged Event Codes [Total Operating Hours = 9199 hours] - Telematics Aftermarket Device (B1P06098)

| Code                  | Description | Occ. | First | Last |
|-----------------------|-------------|------|-------|------|
| No Logged Event Codes |             |      |       |      |

### Active Diagnostic Codes - Telematics Aftermarket Device (B1P06098)

| Code                       | Description |
|----------------------------|-------------|
| No Active Diagnostic Codes |             |

### Active Event Codes - Telematics Aftermarket Device (B1P06098)

| Code                  | Description |
|-----------------------|-------------|
| No Active Event Codes |             |

### Current Totals - Telematics Aftermarket Device (B1P06098)

| Description           | Value    | Unit  |
|-----------------------|----------|-------|
| Total Operating Hours | 9199.9   | hours |
| Total Distance        | 14726.87 | Miles |

### Configuration - Telematics Aftermarket Device (B1P06098)

| Description                | Value     | Unit |
|----------------------------|-----------|------|
| Product ID                 | B1P06098  |      |
| Equipment ID               | 740       |      |
| Machine Serial Number      |           |      |
| Wi-Fi Device Factory Reset | Not Reset |      |

|  |               |  |
|--|---------------|--|
| Security System Tamper Resistant Configuration | Not Installed |  |
| Engine Running Switch Installation Status      | Not Installed |  |

**Transmission 740 (MRF07617)**

| Parameter                   | Value             |
|-----------------------------|-------------------|
| Product ID                  | B1P06098          |
| Equipment ID                | B1P06098          |
| ECM Part Number             | 3045687-02        |
| ECM Serial Number           | 25806274MS        |
| Software Group Part Number  | 4485324-00        |
| Software Group Release Date | OCT2014           |
| Software Group Description  | 740 (B1P00622 up) |

**Logged Diagnostic Codes [Diagnostic Clock = 9199 hours] - Transmission 740 (MRF07617)**

| Code   | Description   | Occ. | First | Last |
|--------|---|------|-------|------|
| 190- 2 | Engine Speed Sensor : Erratic, Intermittent, or Incorrect | 1    | 9157  | 9157 |

**Logged Event Codes [Diagnostic Clock = 9199 hours] - Transmission 740 (MRF07617)**

| Code     | Description                                 | Occ. | First | Last |
|----------|---|------|-------|------|
| E047 (1) | Transmission Abuse Warning                  | 127  | 7628  | 9192 |
| E049 (2) | Coasting in Neutral Warning                 | 2    | 7690  | 7965 |
| E107 (2) | High Rear Brake Oil Temperature             | 3    | 7785  | 7807 |
| E108 (2) | Machine Upshift to Prevent Engine Overspeed | 1    | 8714  | 8714 |
| E542 (3) | Low Steering Pump Pressure                  | 12   | 7694  | 9034 |

**Active Diagnostic Codes - Transmission 740 (MRF07617)**

| Code                       | Description |
|----------------------------|-------------|
| No Active Diagnostic Codes |             |

**Active Event Codes - Transmission 740 (MRF07617)**

| Code     | Description           |
|----------|-----------------------|
| E764 (1) | Trip Data Memory Full |

**Current Totals - Transmission 740 (MRF07617)**

| Description                | Value     | Unit  |
|----------------------------|-----------|-------|
| Total Operating Hours      | 9200      | hours |
| Machine Working Distance   | 56254.6   | Miles |
| Machine Idle Time          | 2722.05   | hours |
| Machine Working Hours      | 7884      | hours |
| Machine Working Total Fuel | 78909.000 | gal   |
| Load Count                 | 49467     |       |
| Total Forward Distance     | 61192.37  | Miles |
| Total Reverse Distance     | 1837.08   | Miles |
| Total Distance             | 63025.16  | Miles |

**Configuration - Transmission 740 (MRF07617)**

| Description   | Value         | Unit |
|---|---------------|------|
| Equipment ID  | B1P06098      |      |
| Product ID  | B1P06098      |      |
| Transmission Serial Number                                | MRF07617      |      |
| Transmission Maximum Forward Gear                         | 7             |      |
| Body Float Gear Limit                                     | 1             |      |
| Body Up Sensor Installation Status                        | Installed     |      |
| Body Up Gear Limit  | 1             |      |
| Top Drive Gear Select Enable Status                       | Enabled       |      |
| Transmission Hold Enable Status                           | Enabled       |      |
| Hoist System Enable Status                                | Enabled       |      |
| Hoist Lower Valve Adjustment Status                       | 0             |      |
| High Pressure Hydraulic Oil Filter Switch Config          | Not Installed |      |
| Steering Filter Bypass Warning System Installation Status | Not Installed |      |
| Information Units Status                                  | Metric        |      |
| Auto Lube System Installation Status                      | Not Installed |      |
| Cycle Counter Feature Installation Status                 | Installed     |      |
| Load Dump Departure Minimum Ground Speed Configuration    | 3             | mph  |
| Ambient Air Temperature Operating Condition Configuration | Normal        |      |
| Transmission Configuration Code                           | 0             |      |
| Operator #1 Name  |               |      |
| Operator #2 Name  | #!?           |      |
| Operator #3 Name  | CH            |      |
| Operator #4 Name  | @             |      |
| Operator #5 Name  | SANDRINE      |      |
| Operator #6 Name  | CD            |      |
| Operator #7 Name  | CD            |      |
| Operator #8 Name  | Operator 8    |      |
| Operator #9 Name  | Operator 9    |      |
| Operator #10 Name   | A             |      |
| Customer Password #1                                      | *****         |      |
| Customer Password #2                                      | *****         |      |
| Total Tattletale  | 3             |      |

**Shift Count Matrix [Transmission Shift Counts Start Time = 3 hours] - Transmission 740 (MRF07617)**

| To   | N      | R     | 1      | 2      | 3      | 4      | 5   | 6 | 7   |
|------|--------|-------|--------|--------|--------|--------|-----|---|-----|
| From |        |       |        |        |        |        |     |   |     |
| N    | ---    | 43824 | 133940 | 75     | 25     | 20     | 2   | 0 | 219 |
| R    | 120864 | ---   | 15433  | 2      | 0      | 0      | 0   | 0 | 1   |
| 1    | 47916  | 89054 | ---    | 195737 | 2020   | 36     | 0   | 0 | 11  |
| 2    | 5960   | 3828  | 169070 | ---    | 216449 | 486    | 8   | 1 | 0   |
| 3    | 1551   | 686   | 12312  | 187650 | ---    | 222285 | 254 | 5 | 0   |

|   |     |     |      |       |        |        |        |        |       |
|---|-----|-----|------|-------|--------|--------|--------|--------|-------|
| 4 | 442 | 148 | 3107 | 12054 | 204734 | ---    | 196905 | 215    | 2     |
| 5 | 52  | 17  | 505  | 228   | 1367   | 193944 | ---    | 157772 | 63    |
| 6 | 10  | 2   | 204  | 40    | 133    | 792    | 156638 | ---    | 92189 |
| 7 | 61  | 1   | 34   | 11    | 15     | 44     | 141    | 92015  | ---   |

**Counters - Transmission 740 (MRF07617)**

| Description                                 | Value   |
|---|---------|
| Lockup Clutch Count                         | 2194842 |
| Differential Lock Kickout Occurrences       | 1194    |
| Differential Lock Switch Cycles             | 33741   |
| Interaxle Differential Lock Solenoid Cycles | 33741   |
| Front Cross Axle Lock Solenoid Cycles       | 7458    |
| Top Drive Gear Switch Cycles                | 4993    |
| Transmission Hold Override Occurrences      | 97319   |
| Transmission Hold Switch Cycles             | 97639   |
| Service Brake Pressure Switch Cycles        | 427199  |
| Parking Brake Pressure Switch Cycles        | 84210   |
| Parking Brake Solenoid Cycles               | 84552   |
| Starter Relay Cycles                        | 4652    |
| Lockup Clutch Count                         | 2194842 |
| Differential Lock Kickout Occurrences       | 1194    |
| Differential Lock Switch Cycles             | 33741   |
| Interaxle Differential Lock Solenoid Cycles | 33741   |
| Front Cross Axle Lock Solenoid Cycles       | 7458    |
| Top Drive Gear Switch Cycles                | 4993    |
| Transmission Hold Override Occurrences      | 97319   |
| Transmission Hold Switch Cycles             | 97639   |
| Service Brake Pressure Switch Cycles        | 427199  |
| Parking Brake Pressure Switch Cycles        | 84210   |
| Parking Brake Solenoid Cycles               | 84552   |
| Starter Relay Cycles                        | 4652    |

**C15 740 (LHX28550)**

| Parameter                       | Value      |
|---------------------------------|------------|
| Product ID                      | B1P06098   |
| Equipment ID                    | B1P06098   |
| Engine Serial Number            | LHX28550   |
| ECM Part Number                 | 2622878-01 |
| ECM Serial Number               | 27606055JL |
| 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 = 9199 hours] - C15 740 (LHX28550)**

| Code                       | Description | Occ. | First | Last |
|----------------------------|-------------|------|-------|------|
| No Logged Diagnostic Codes |             |      |       |      |

Logged Event Codes [Diagnostic Clock = 9199 hours] - C15 740 (LHX28550)

| Code                  | Description | Occ. | First | Last |
|-----------------------|-------------|------|-------|------|
| No Logged Event Codes |             |      |       |      |

Active Diagnostic Codes - C15 740 (LHX28550)

| Code                       | Description |
|----------------------------|-------------|
| No Active Diagnostic Codes |             |

Active Event Codes - C15 740 (LHX28550)

| Code                  | Description |
|-----------------------|-------------|
| No Active Event Codes |             |

Current Totals - C15 740 (LHX28550)

| Description                       | Value       | Unit  |
|-----------------------------------|-------------|-------|
| Total Fuel                        | 87824       | gal   |
| Ether Usage                       | Unavailable | gal   |
| Total Idle Time                   | 3550:15     | hours |
| Total Idle Fuel                   | 10503       | gal   |
| Total Max Fuel                    | 216961      | gal   |
| Total Operating Hours             | 9200        | hours |
| Engine Starts                     | 4347        |       |
| Lifetime Total Engine Revolutions | 673513780   | rev   |
| Starts/Hour                       | 0.47        |       |
| Average RPM                       | 1220.27     | rpm   |
| Percentage Idle Time              | 38.59       | %     |
| Average Fuel Rate                 | 9.55        | gal/h |
| Overall Load Factor               | 40          | %     |

Configuration - C15 740 (LHX28550)

| Description  | Value         | Unit |
|--|---------------|------|
| Product ID   | B1P06098      |      |
| Equipment ID                                       | B1P06098      |      |
| Engine Serial Number                               | LHX28550      |      |
| ECM Part Number                                    | 2622878-01    |      |
| ECM Serial Number                                  | 27606055JL    |      |
| 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   | -32                       |  |
| FTS   | 32                        |  |
| Total Tattletale                                | 1                         |  |

**Lifetime: Time vs Engine Coolant Temperature - C15 740 (LHX28550)**

| Engine Coolant Temperature( Deg F ) | hours   | %     |
|-------------------------------------|---------|-------|
| <122.0                              | 486.55  | 5.32  |
| 122.0-130.0                         | 117.80  | 1.29  |
| 131.0-139.0                         | 121.25  | 1.33  |
| 140.0-148.0                         | 149.15  | 1.63  |
| 149.0-157.0                         | 373.25  | 4.08  |
| 158.0-166.0                         | 1068.20 | 11.69 |
| 167.0-175.0                         | 2195.25 | 24.01 |
| 176.0-184.0                         | 3072.00 | 33.60 |
| 185.0-193.0                         | 1371.95 | 15.01 |
| 194.0-202.0                         | 185.85  | 2.03  |
| 203.0-211.0                         | 0.35    | 0.00  |
| 212.0-220.0                         | 0.00    | 0.00  |
| 221.0-229.0                         | 0.00    | 0.00  |
| 230.0-238.0                         | 0.00    | 0.00  |
| 239.0-247.0                         | 0.00    | 0.00  |
| >248.0                              | 0.00    | 0.00  |

**Lifetime: Time vs Inlet Air Temperature - C15 740 (LHX28550)**

| Inlet Air Temperature( Deg F ) | hours   | %     |
|--------------------------------|---------|-------|
| <104.0                         | 1240.45 | 78.41 |
| 104.0-112.0                    | 244.90  | 15.48 |
| 113.0-121.0                    | 80.50   | 5.09  |
| 122.0-130.0                    | 15.05   | 0.95  |
| 131.0-139.0                    | 1.20    | 0.08  |
| 140.0-148.0                    | 0.00    | 0.00  |
| 149.0-157.0                    | 0.00    | 0.00  |
| 158.0-166.0                    | 0.00    | 0.00  |
| 167.0-175.0                    | 0.00    | 0.00  |
| 176.0-184.0                    | 0.00    | 0.00  |
| 185.0-193.0                    | 0.00    | 0.00  |
| 194.0-202.0                    | 0.00    | 0.00  |
| 203.0-211.0                    | 0.00    | 0.00  |
| >212.0                         | 0.00    | 0.00  |

**Lifetime: Time vs Boost Pressure - C15 740 (LHX28550)**

| Boost Pressure( psi ) | hours  | %     |
|-----------------------|--------|-------|
| <11.6                 | 257.75 | 16.29 |
| 11.6-12.1             | 156.80 | 9.91  |





|         |              |              |               |              |         |        |      |      |               |
|---------|--------------|--------------|---------------|--------------|---------|--------|------|------|---------------|
| 0.0-3.9 | 47892.0<br>0 | 61955.0<br>0 | 110647.<br>00 | 63785.0<br>0 | 5449.00 | 155.00 | 4.00 | 0.00 | 289887.<br>00 |
| >4.0    | 0.00         | 0.00         | 0.00          | 0.00         | 0.00    | 0.00   | 0.00 | 0.00 | 0.00          |
| Total   | 47892.0<br>0 | 61955.0<br>0 | 110647.<br>00 | 63785.0<br>0 | 5449.00 | 155.00 | 4.00 | 0.00 | 289887.<br>00 |

**Lifetime: Time vs Engine Speed And Boost Pressure - C15 740 (LHX28550)**

| rpm       | <1900  | 1900-2099 | 2100-2299 | 2300-2499 | 2500-2699 | 2700-2899 | >2900 | Total  |
|-----------|--------|-----------|-----------|-----------|-----------|-----------|-------|--------|
| psi       |        |           |           |           |           |           |       |        |
| <7.3      | 88.50  | 2.25      | 0.30      | 0.05      | 0.00      | 0.00      | 0.00  | 91.10  |
| 7.3-11.5  | 32.60  | 1.25      | 0.15      | 0.00      | 0.00      | 0.00      | 0.00  | 34.00  |
| 11.6-15.9 | 12.40  | 1.50      | 0.10      | 0.00      | 0.00      | 0.00      | 0.00  | 14.00  |
| 16.0-20.2 | 1.10   | 0.55      | 0.10      | 0.00      | 0.00      | 0.00      | 0.00  | 1.75   |
| 20.3-24.6 | 0.00   | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00  | 0.00   |
| 24.7-28.9 | 0.00   | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00  | 0.00   |
| >29.0     | 0.00   | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00  | 0.00   |
| Total     | 134.60 | 5.55      | 0.65      | 0.05      | 0.00      | 0.00      | 0.00  | 140.85 |

**Injector Trim Calibration - C15 740 (LHX28550)**

| Injector  | Serial Number        | File Version |
|-----------|----------------------|--------------|
| Injector1 | 000000005A52072794B0 | 0            |
| Injector2 | 000000005A520728086E | 0            |
| Injector3 | 000000005A5207282769 | 0            |
| Injector4 | 000000005A5207283475 | 0            |
| Injector5 | 000000005A52072795B7 | 0            |
| Injector6 | 000000005A520728483A | 0            |

**Monitoring System - C15 740 (LHX28550)**

| Description                                  | State     | Trip Point  | Delay Time |
|--|-----------|-------------|------------|
| <b>Engine Overspeed</b>                      |           |             |            |
| Least Severe (1)                             | Always On | 2550 rpm    | 0 sec      |
| Moderate Severity (2)                        | Always On | 2600 rpm    | 0 sec      |
| <b>High Air Filter Restriction Pressure</b>  |           |             |            |
| Least Severe (1)                             | Always On | 30.1 " H2O  | 30 sec     |
| Moderate Severity (2)                        | Always On | 36.1 " H2O  | 30 sec     |
| <b>High Engine Coolant Temperature</b>       |           |             |            |
| Least Severe (1)                             | Always On | 230 Deg F   | 10 sec     |
| Moderate Severity (2)                        | Always On | 232 Deg F   | 10 sec     |
| <b>High Engine Inlet Air Temperature</b>     |           |             |            |
| Least Severe (1)                             | Always On | 179.6 Deg F | 8 sec      |
| Moderate Severity (2)                        | Always On | 186.8 Deg F | 8 sec      |
| <b>High Fuel Filter Pressure Restriction</b> |           |             |            |
| Least Severe (1)                             | Always On | None        | 3600 sec   |
| Moderate Severity (2)                        | Always On | None        | 14400 sec  |
| <b>High Fuel Pressure</b>                    |           |             |            |

|                                |           |             |        |
|--------------------------------|-----------|-------------|--------|
| Least Severe (1)               | Always On | 109.9 psi   | 8 sec  |
| <b>High Fuel Temperature</b>   |           |             |        |
| Least Severe (1)               | Always On | 194.0 Deg F | 30 sec |
| Moderate Severity (2)          | Always On | 195.8 Deg F | 10 sec |
| <b>Low Engine Oil Pressure</b> |           |             |        |
| Least Severe (1)               | Always On | None        | 8 sec  |
| Moderate Severity (2)          | Always On | None        | 4 sec  |