

# Cat Electronic Technician 2026B v1.0

## Product Status Report

23/09/2026 11:35 AM

### Product Status Report

| Parameter    | Value    |
|--------------|----------|
| Product ID   | NJN00111 |
| Equipment ID | D6N      |
| Comments     |          |

### C7.1 D6N (D8T18021)

| Parameter                                    | Value      |
|----------------------------------------------|------------|
| Equipment ID                                 | NJN00111   |
| Engine Serial Number                         | D8T18021   |
| ECM Part Number                              | 4620007-00 |
| ECM Serial Number                            | 15967113VN |
| Software Group Part Number                   | 5457668-00 |
| Software Group Release Date                  | JUL17      |
| Software Group Description                   | TTT-D6N    |
| Calibration Identification Number            | AL941_21   |
| Operator Inducement Regulation Configuration | Worldwide  |

### Logged Diagnostic Codes [Diagnostic Clock = 3750 hours] - C7.1 D6N (D8T18021)

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

### Logged Event Codes [Diagnostic Clock = 3750 hours] - C7.1 D6N (D8T18021)

| Code     | Description                     | Occ. | First | Last |
|----------|---------------------------------|------|-------|------|
| E361 (2) | High Engine Coolant Temperature | 20   | 2984  | 3748 |
| E361 (3) | High Engine Coolant Temperature | 4    | 2984  | 3745 |

### Active Diagnostic Codes - C7.1 D6N (D8T18021)

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

### Active Event Codes - C7.1 D6N (D8T18021)

| Code             | Description |
|------------------|-------------|
| No Active Events |             |

**System Communication Status - Active Problems - C7.1 D6N (D8T18021)**

| ECMs                    | Detected Problem | Data Link | Diagnostic Information |
|-------------------------|------------------|-----------|------------------------|
| No issues were reported |                  |           |                        |

**System Communication Status - Inactive Problems - C7.1 D6N (D8T18021)**

| ECMs                    | Detected Problem | Data Link | Diagnostic Information |
|-------------------------|------------------|-----------|------------------------|
| No issues were reported |                  |           |                        |

**Current Totals - C7.1 D6N (D8T18021)**

| Description                                                    | Value     | Unit  |
|----------------------------------------------------------------|-----------|-------|
| Total Idle Time                                                | 668:48    | hours |
| Total Fuel                                                     | 16236     | gal   |
| Total Engine #1 Fuel                                           | 16222     | gal   |
| Total ARD Fuel                                                 | 14.629    | gal   |
| Total Idle Fuel                                                | 607       | gal   |
| Total Max Fuel                                                 | 36535     | gal   |
| Aftertreatment #1 Total DEF Used                               | 351.2     | gal   |
| Engine Lifetime Hours                                          | 3751.1    | hours |
| Average Load Factor                                            | 43        | %     |
| Engine Starts                                                  | 3066      |       |
| Lifetime Total Engine Revolutions                              | 360282876 | rev   |
| Total Operating Hours                                          | 3750      | hours |
| Operator Inducement<br>Emergency Override Total<br>Activations | 0         |       |
| Operator Inducement<br>Emergency Override Total<br>Resets      | 0         |       |
| Total Engine Idle Shutdown<br>Count                            | 0         |       |
| Total Engine Idle Shutdown<br>Overrides Count                  | 0         |       |
| Total Delayed Engine<br>Shutdown Count                         | 447       |       |
| Total Delayed Engine<br>Shutdown Overrides Count               | 30        |       |
| Starts/Hour                                                    | 0.82      |       |
| Average RPM                                                    | 1600.81   | rpm   |
| Percentage Idle Time                                           | 17.81     | %     |
| Average Fuel Rate                                              | 4.33      | gal/h |
| Overall Load Factor                                            | 44        | %     |

**Configuration - C7.1 D6N (D8T18021)**

| Description          | Value      | Unit |
|----------------------|------------|------|
| Equipment ID         | NJN00111   |      |
| Engine Serial Number | D8T18021   |      |
| ECM Serial Number    | 15967113VN |      |

|                                                                   |                     |     |
|-------------------------------------------------------------------|---------------------|-----|
| Software Group Part Number                                        | 5457668-00          |     |
| Software Group Release Date                                       | JUL17               |     |
| Software Group Description                                        | TTT-D6N             |     |
| Low Idle Speed                                                    | 850                 | rpm |
| High Idle Speed                                                   | 2400                | rpm |
| Ether Solenoid Configuration                                      | Not Installed       |     |
| Aftertreatment Ambient Air Temperature Sensor Installation Status | Not Installed       |     |
| Engine Idle Shutdown Enable Status                                | Disabled            |     |
| Engine Idle Shutdown Delay Time                                   | 5.0                 | min |
| Delayed Engine Shutdown Enable Status                             | Enabled             |     |
| Delayed Engine Shutdown Maximum Time                              | 15.0                | min |
| Engine Fan Type Configuration                                     | Viscous Clutch      |     |
| Factory Installed Aftertreatment #1 Identification Number         | CFH110585B          |     |
| DPF #1 Soot Loading Sensing System Configuration Code             | GR                  |     |
| 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            |     |
| Aftertreatment #1 DEF Quality Sensor Installation Status          | Not Installed       |     |
| System Operating Voltage Configuration                            | 24 Volt             |     |
| FLS                                                               | 7                   |     |
| FTS                                                               | 9                   |     |
| CAN Communication Protocol Write Security                         | Seed and Key Access |     |
| CAN Communication Protocol Read Security                          | Seed and Key Access |     |
| Total Tattletale                                                  | 9                   |     |

#### Lifetime:Accumulated Time vs Intake Manifold Pressure - C7.1 D6N (D8T18021)

| Intake Manifold Pressure( psi ) | hours  | %     |
|---------------------------------|--------|-------|
| <11.603                         | 2.70   | 0.72  |
| 11.603-13.052                   | 8.50   | 2.28  |
| 13.053-14.503                   | 30.75  | 8.25  |
| 14.504-15.953                   | 67.25  | 18.05 |
| 15.954-17.404                   | 104.50 | 28.05 |
| 17.405-18.854                   | 111.50 | 29.92 |
| 18.855-20.304                   | 32.70  | 8.78  |
| 20.305-21.755                   | 10.60  | 2.84  |
| 21.756-23.205                   | 3.85   | 1.03  |
| 23.206-24.655                   | 0.25   | 0.07  |
| 24.656-26.106                   | 0.00   | 0.00  |

|               |      |      |
|---------------|------|------|
| 26.107-27.556 | 0.00 | 0.00 |
| 27.557-29.007 | 0.00 | 0.00 |
| 29.008-30.457 | 0.00 | 0.00 |
| 30.458-31.907 | 0.00 | 0.00 |
| 31.908-33.358 | 0.00 | 0.00 |
| 33.359-34.808 | 0.00 | 0.00 |
| 34.809-36.258 | 0.00 | 0.00 |
| 36.259-37.709 | 0.00 | 0.00 |
| 37.710-39.159 | 0.00 | 0.00 |
| 39.160-40.610 | 0.00 | 0.00 |
| 40.611-42.060 | 0.00 | 0.00 |
| 42.061-43.510 | 0.00 | 0.00 |
| 43.511-44.961 | 0.00 | 0.00 |
| 44.962-46.411 | 0.00 | 0.00 |
| 46.412-47.861 | 0.00 | 0.00 |
| 47.862-49.312 | 0.00 | 0.00 |
| 49.313-50.762 | 0.00 | 0.00 |
| 50.763-52.213 | 0.00 | 0.00 |
| 52.214-53.663 | 0.00 | 0.00 |
| 53.664-55.113 | 0.00 | 0.00 |
| 55.114-56.564 | 0.00 | 0.00 |
| 56.565-58.014 | 0.00 | 0.00 |
| 58.015-59.464 | 0.00 | 0.00 |
| 59.465-60.915 | 0.00 | 0.00 |
| 60.916-62.365 | 0.00 | 0.00 |
| 62.366-63.816 | 0.00 | 0.00 |
| 63.817-65.266 | 0.00 | 0.00 |
| 65.267-66.716 | 0.00 | 0.00 |
| 66.717-68.167 | 0.00 | 0.00 |
| 68.168-69.617 | 0.00 | 0.00 |
| 69.618-71.067 | 0.00 | 0.00 |
| 71.068-72.518 | 0.00 | 0.00 |
| 72.519-73.968 | 0.00 | 0.00 |
| 73.969-75.419 | 0.00 | 0.00 |
| 75.420-76.869 | 0.00 | 0.00 |
| 76.870-78.319 | 0.00 | 0.00 |
| 78.320-79.770 | 0.00 | 0.00 |
| 79.771-81.220 | 0.00 | 0.00 |
| 81.221-82.670 | 0.00 | 0.00 |
| 82.671-84.121 | 0.00 | 0.00 |
| 84.122-85.571 | 0.00 | 0.00 |
| 85.572-87.023 | 0.00 | 0.00 |
| >87.023       | 0.00 | 0.00 |

**Lifetime:Accumulated Time vs Engine Coolant Temperature - C7.1 D6N (D8T18021)**

| <b>Engine Coolant Temperature( Deg F )</b> | <b>hours</b> | <b>%</b> |
|--------------------------------------------|--------------|----------|
| <32.00                                     | 0.35         | 0.01     |

|               |         |       |
|---------------|---------|-------|
| 32.00-40.99   | 0.00    | 0.00  |
| 41.00-49.99   | 0.05    | 0.00  |
| 50.00-58.99   | 0.10    | 0.00  |
| 59.00-67.99   | 0.55    | 0.01  |
| 68.00-76.99   | 1.55    | 0.04  |
| 77.00-85.99   | 3.35    | 0.09  |
| 86.00-94.99   | 6.55    | 0.18  |
| 95.00-103.99  | 10.35   | 0.28  |
| 104.00-112.99 | 11.90   | 0.32  |
| 113.00-121.99 | 13.65   | 0.37  |
| 122.00-130.99 | 14.55   | 0.40  |
| 131.00-139.99 | 24.55   | 0.67  |
| 140.00-148.99 | 29.05   | 0.79  |
| 149.00-157.99 | 28.20   | 0.77  |
| 158.00-166.99 | 58.90   | 1.60  |
| 167.00-175.99 | 265.75  | 7.23  |
| 176.00-184.99 | 634.85  | 17.27 |
| 185.00-193.99 | 1215.45 | 33.07 |
| 194.00-202.99 | 823.90  | 22.42 |
| 203.00-211.99 | 413.10  | 11.24 |
| 212.00-220.99 | 82.10   | 2.23  |
| 221.00-229.99 | 31.70   | 0.86  |
| 230.00-238.99 | 4.80    | 0.13  |
| 239.00-247.99 | 0.05    | 0.00  |
| 248.00-256.99 | 0.05    | 0.00  |
| 257.00-265.99 | 0.05    | 0.00  |
| 266.00-274.99 | 0.00    | 0.00  |
| 275.00-283.99 | 0.00    | 0.00  |
| 284.00-292.99 | 0.00    | 0.00  |
| 293.00-302.00 | 0.00    | 0.00  |
| >302.00       | 0.00    | 0.00  |

#### Lifetime:Accumulated Occurrences vs Engine Speed - C7.1 D6N (D8T18021)

| Engine Speed( rpm ) | Count | %    |
|---------------------|-------|------|
| <2600.0             | 0     | 0.00 |
| 2600.0-2699.9       | 0     | 0.00 |
| 2700.0-2799.9       | 0     | 0.00 |
| 2800.0-2899.9       | 0     | 0.00 |
| 2900.0-2999.9       | 0     | 0.00 |
| 3000.0-3099.9       | 0     | 0.00 |
| 3100.0-3199.9       | 0     | 0.00 |
| 3200.0-3299.9       | 0     | 0.00 |
| 3300.0-3400.0       | 0     | 0.00 |
| >3400.0             | 0     | 0.00 |

#### Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 D6N (D8T18021)

| rpm | <600.0 | 600.0- | 650.0- | 700.0- | 750.0- | 800.0- | 850.0- | 900.0- | 950.0- |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|

|            |      | 649.9 | 699.9 | 749.9 | 799.9 | 849.9  | 899.9  | 949.9 | 999.9 |
|------------|------|-------|-------|-------|-------|--------|--------|-------|-------|
| %          |      |       |       |       |       |        |        |       |       |
| <0.0       | 0.30 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00  | 0.00  |
| 0.0-9.9    | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 40.60  | 53.85  | 0.65  | 1.85  |
| 10.0-19.9  | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 199.40 | 241.60 | 0.30  | 3.50  |
| 20.0-29.9  | 0.00 | 0.00  | 0.00  | 0.00  | 0.05  | 4.45   | 4.40   | 0.45  | 1.85  |
| 30.0-39.9  | 0.00 | 0.00  | 0.00  | 0.00  | 0.10  | 5.85   | 5.60   | 0.80  | 3.45  |
| 40.0-49.9  | 0.00 | 0.00  | 0.00  | 0.00  | 0.05  | 0.40   | 0.45   | 0.60  | 1.75  |
| 50.0-59.9  | 0.00 | 0.00  | 0.00  | 0.00  | 0.05  | 0.10   | 0.15   | 0.25  | 0.65  |
| 60.0-69.9  | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.05   | 0.10   | 0.15  | 0.35  |
| 70.0-79.9  | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.05   | 0.05   | 0.10  | 0.25  |
| 80.0-89.9  | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.05   | 0.05   | 0.15  | 0.35  |
| 90.0-100.0 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.05   | 0.10  | 0.20  |
| >100.0     | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00  | 0.00  |
| Total      | 0.30 | 0.00  | 0.00  | 0.00  | 0.25  | 250.95 | 306.30 | 3.55  | 14.20 |

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 D6N (D8T18021)**

| 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    | 8.95          | 7.15          | 6.95          | 11.00         | 12.45         | 7.25          | 6.65          | 6.60          | 6.90          |
| 10.0-19.9  | 18.35         | 10.25         | 10.55         | 20.50         | 21.40         | 9.55          | 8.55          | 9.20          | 9.55          |
| 20.0-29.9  | 2.65          | 2.30          | 2.75          | 4.35          | 5.30          | 5.75          | 6.80          | 9.45          | 10.00         |
| 30.0-39.9  | 8.10          | 4.85          | 5.00          | 5.90          | 5.80          | 5.85          | 6.40          | 8.40          | 9.50          |
| 40.0-49.9  | 2.65          | 3.05          | 4.85          | 6.95          | 7.45          | 8.05          | 8.90          | 9.90          | 9.80          |
| 50.0-59.9  | 0.95          | 1.05          | 1.45          | 2.00          | 2.55          | 3.40          | 4.75          | 6.60          | 8.05          |
| 60.0-69.9  | 0.45          | 0.55          | 0.80          | 1.15          | 1.45          | 1.70          | 2.15          | 2.80          | 3.80          |
| 70.0-79.9  | 0.40          | 0.65          | 1.10          | 1.30          | 1.55          | 1.75          | 1.90          | 2.15          | 2.50          |
| 80.0-89.9  | 0.50          | 0.60          | 0.60          | 0.65          | 0.75          | 1.05          | 1.40          | 1.65          | 1.95          |
| 90.0-100.0 | 0.25          | 0.20          | 0.15          | 0.15          | 0.15          | 0.25          | 0.35          | 0.60          | 1.05          |
| >100.0     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| Total      | 43.25         | 30.65         | 34.20         | 53.95         | 58.85         | 44.60         | 47.85         | 57.35         | 63.10         |

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 D6N (D8T18021)**

| 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    | 6.95          | 7.45          | 7.25          | 7.05          | 7.05          | 7.40          | 7.25          | 7.20          | 6.90          |
| 10.0-19.9  | 9.00          | 14.05         | 8.40          | 8.15          | 8.10          | 9.90          | 19.30         | 20.15         | 6.30          |
| 20.0-29.9  | 11.15         | 13.95         | 12.30         | 14.25         | 17.20         | 27.00         | 15.95         | 15.45         | 13.70         |
| 30.0-39.9  | 11.05         | 14.10         | 13.40         | 15.20         | 22.70         | 34.45         | 20.00         | 21.95         | 23.45         |
| 40.0-49.9  | 10.40         | 12.80         | 12.10         | 14.40         | 24.00         | 31.35         | 17.80         | 18.95         | 19.30         |
| 50.0-59.9  | 9.25          | 11.80         | 9.95          | 10.70         | 17.55         | 22.00         | 14.15         | 14.75         | 14.30         |
| 60.0-69.9  | 5.75          | 10.25         | 9.60          | 8.85          | 11.80         | 14.30         | 9.90          | 10.85         | 11.10         |
| 70.0-79.9  | 3.40          | 5.80          | 7.00          | 7.05          | 8.95          | 12.05         | 8.15          | 8.00          | 8.65          |
| 80.0-89.9  | 2.35          | 3.70          | 5.40          | 7.60          | 11.05         | 14.05         | 14.25         | 14.10         | 14.45         |
| 90.0-100.0 | 1.90          | 3.95          | 8.30          | 13.25         | 17.45         | 24.95         | 49.05         | 61.70         | 43.85         |
| >100.0     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| Total      | 71.20         | 97.85         | 93.70         | 106.50        | 145.85        | 197.45        | 175.80        | 193.10        | 162.00        |

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 D6N (D8T18021)**

| 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   | 6.00          | 5.30          | 5.00          | 4.40          | 3.05          | 2.65          | 2.25          | 0.85          | 0.30          |
| 10.0-19.9 | 4.85          | 4.60          | 5.95          | 7.45          | 4.10          | 3.15          | 2.85          | 0.75          | 0.25          |
| 20.0-29.9 | 10.20         | 10.85         | 19.75         | 28.70         | 10.85         | 10.10         | 11.70         | 1.35          | 0.35          |
| 30.0-39.9 | 19.30         | 24.85         | 53.65         | 60.40         | 17.15         | 26.10         | 29.40         | 2.20          | 0.35          |
| 40.0-49.9 | 18.35         | 30.80         | 56.55         | 48.45         | 15.80         | 31.30         | 33.50         | 2.95          | 0.30          |
| 50.0-59.9 | 13.95         | 22.50         | 33.75         | 32.10         | 13.10         | 26.75         | 24.85         | 3.10          | 0.20          |
| 60.0-69.9 | 10.75         | 15.25         | 21.10         | 21.50         | 11.25         | 20.10         | 16.75         | 2.30          | 0.15          |
| 70.0-79.9 | 8.95          | 12.25         | 17.20         | 18.45         | 10.40         | 18.20         | 13.65         | 1.45          | 0.05          |
| 80.0-89.9 | 15.70         | 17.75         | 18.25         | 14.45         | 8.90          | 16.25         | 10.65         | 0.55          | 0.00          |

|            |        |        |        |        |        |        |        |       |      |
|------------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 90.0-100.0 | 30.80  | 26.40  | 24.05  | 21.30  | 19.20  | 19.45  | 5.25   | 0.15  | 0.00 |
| >100.0     | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00 |
| Total      | 138.85 | 170.55 | 255.25 | 257.20 | 113.80 | 174.05 | 150.85 | 15.65 | 1.95 |

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 D6N (D8T18021)**

| rpm        | 2350.0-2400.0 | >2400.0 | Total   |
|------------|---------------|---------|---------|
| %          |               |         |         |
| <0.0       | 0.00          | 0.00    | 0.30    |
| 0.0-9.9    | 0.05          | 0.00    | 265.20  |
| 10.0-19.9  | 0.05          | 0.00    | 700.05  |
| 20.0-29.9  | 0.05          | 0.00    | 305.40  |
| 30.0-39.9  | 0.05          | 0.00    | 485.35  |
| 40.0-49.9  | 0.00          | 0.00    | 463.95  |
| 50.0-59.9  | 0.00          | 0.00    | 326.75  |
| 60.0-69.9  | 0.00          | 0.00    | 227.05  |
| 70.0-79.9  | 0.00          | 0.00    | 183.40  |
| 80.0-89.9  | 0.00          | 0.00    | 199.20  |
| 90.0-100.0 | 0.00          | 0.00    | 374.50  |
| >100.0     | 0.00          | 0.00    | 0.00    |
| Total      | 0.20          | 0.00    | 3531.15 |

**Lifetime:Accumulated Time vs Intake Manifold Air Temperature - C7.1 D6N (D8T18021)**

| Intake Manifold Air Temperature( Deg F ) | hours  | %     |
|------------------------------------------|--------|-------|
| <32.00                                   | 0.60   | 0.02  |
| 32.00-40.99                              | 0.95   | 0.03  |
| 41.00-49.99                              | 3.85   | 0.10  |
| 50.00-58.99                              | 7.00   | 0.19  |
| 59.00-67.99                              | 13.15  | 0.36  |
| 68.00-76.99                              | 22.55  | 0.61  |
| 77.00-85.99                              | 38.15  | 1.04  |
| 86.00-94.99                              | 49.35  | 1.34  |
| 95.00-103.99                             | 66.90  | 1.82  |
| 104.00-112.99                            | 126.05 | 3.43  |
| 113.00-121.99                            | 229.85 | 6.25  |
| 122.00-130.99                            | 384.65 | 10.46 |
| 131.00-139.99                            | 871.35 | 23.70 |
| 140.00-148.99                            | 867.35 | 23.59 |
| 149.00-157.99                            | 594.30 | 16.16 |
| 158.00-166.99                            | 274.95 | 7.48  |
| 167.00-175.99                            | 96.40  | 2.62  |
| 176.00-184.99                            | 18.95  | 0.52  |
| 185.00-193.99                            | 8.30   | 0.23  |
| 194.00-202.99                            | 1.80   | 0.05  |
| 203.00-211.99                            | 0.10   | 0.00  |
| 212.00-220.99                            | 0.05   | 0.00  |

|               |      |      |
|---------------|------|------|
| 221.00-229.99 | 0.00 | 0.00 |
| 230.00-238.99 | 0.00 | 0.00 |
| 239.00-248.00 | 0.00 | 0.00 |
| >248.00       | 0.00 | 0.00 |

**Lifetime:Accumulated Time vs Engine Speed - C7.1 D6N (D8T18021)**

| <b>Engine Speed( rpm )</b> | <b>hours</b> | <b>%</b> |
|----------------------------|--------------|----------|
| <550.0                     | 0.35         | 0.01     |
| 550.0-599.9                | 0.00         | 0.00     |
| 600.0-649.9                | 0.00         | 0.00     |
| 650.0-699.9                | 0.00         | 0.00     |
| 700.0-749.9                | 0.10         | 0.00     |
| 750.0-799.9                | 0.45         | 0.01     |
| 800.0-849.9                | 293.85       | 8.00     |
| 850.0-899.9                | 365.00       | 9.93     |
| 900.0-949.9                | 3.70         | 0.10     |
| 950.0-999.9                | 15.20        | 0.41     |
| 1000.0-1049.9              | 45.75        | 1.25     |
| 1050.0-1099.9              | 31.95        | 0.87     |
| 1100.0-1149.9              | 35.60        | 0.97     |
| 1150.0-1199.9              | 57.10        | 1.55     |
| 1200.0-1249.9              | 62.40        | 1.70     |
| 1250.0-1299.9              | 45.50        | 1.24     |
| 1300.0-1349.9              | 48.75        | 1.33     |
| 1350.0-1399.9              | 58.50        | 1.59     |
| 1400.0-1449.9              | 64.15        | 1.75     |
| 1450.0-1499.9              | 72.40        | 1.97     |
| 1500.0-1549.9              | 101.10       | 2.75     |
| 1550.0-1599.9              | 94.70        | 2.58     |
| 1600.0-1649.9              | 107.40       | 2.92     |
| 1650.0-1699.9              | 146.95       | 4.00     |
| 1700.0-1749.9              | 199.35       | 5.43     |
| 1750.0-1799.9              | 177.65       | 4.84     |
| 1800.0-1849.9              | 195.35       | 5.32     |
| 1850.0-1899.9              | 163.10       | 4.44     |
| 1900.0-1949.9              | 139.65       | 3.80     |
| 1950.0-1999.9              | 171.35       | 4.66     |
| 2000.0-2049.9              | 256.00       | 6.97     |
| 2050.0-2099.9              | 258.15       | 7.03     |
| 2100.0-2149.9              | 114.60       | 3.12     |
| 2150.0-2199.9              | 176.65       | 4.81     |
| 2200.0-2249.9              | 153.60       | 4.18     |
| 2250.0-2299.9              | 15.70        | 0.43     |
| 2300.0-2349.9              | 1.95         | 0.05     |
| 2350.0-2399.9              | 0.20         | 0.01     |
| 2400.0-2449.9              | 0.00         | 0.00     |
| 2450.0-2499.9              | 0.00         | 0.00     |
| 2500.0-2549.9              | 0.00         | 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 - C7.1 D6N (D8T18021)

| Air Inlet Temperature( Deg F ) | hours  | %     |
|--------------------------------|--------|-------|
| <(-4.00)                       | 0.95   | 0.03  |
| (-4.00)-4.99                   | 0.00   | 0.00  |
| 5.00-13.99                     | 0.00   | 0.00  |
| 14.00-22.99                    | 0.20   | 0.01  |
| 23.00-31.99                    | 7.65   | 0.21  |
| 32.00-40.99                    | 23.60  | 0.64  |
| 41.00-49.99                    | 118.15 | 3.22  |
| 50.00-58.99                    | 169.00 | 4.60  |
| 59.00-67.99                    | 306.15 | 8.33  |
| 68.00-76.99                    | 557.90 | 15.19 |
| 77.00-85.99                    | 790.85 | 21.53 |
| 86.00-94.99                    | 996.90 | 27.14 |
| 95.00-103.99                   | 606.05 | 16.50 |
| 104.00-112.99                  | 84.75  | 2.31  |
| 113.00-121.99                  | 10.95  | 0.30  |
| 122.00-130.99                  | 0.70   | 0.02  |
| 131.00-139.99                  | 0.00   | 0.00  |
| 140.00-148.99                  | 0.00   | 0.00  |
| 149.00-157.99                  | 0.00   | 0.00  |
| 158.00-166.99                  | 0.00   | 0.00  |
| 167.00-176.00                  | 0.00   | 0.00  |
| >176.00                        | 0.00   | 0.00  |

#### Lifetime:Accumulated Time vs Engine Coolant Fan Speed - C7.1 D6N (D8T18021)

| Engine Coolant Fan Speed( rpm ) | hours  | %    |
|---------------------------------|--------|------|
| <600.0                          | 253.40 | 6.89 |

|               |        |      |
|---------------|--------|------|
| 600.0-699.9   | 326.90 | 8.89 |
| 700.0-799.9   | 133.65 | 3.63 |
| 800.0-899.9   | 106.20 | 2.89 |
| 900.0-999.9   | 131.50 | 3.58 |
| 1000.0-1099.9 | 201.50 | 5.48 |
| 1100.0-1199.9 | 166.25 | 4.52 |
| 1200.0-1299.9 | 190.10 | 5.17 |
| 1300.0-1399.9 | 208.20 | 5.66 |
| 1400.0-1499.9 | 230.85 | 6.28 |
| 1500.0-1599.9 | 247.15 | 6.72 |
| 1600.0-1699.9 | 261.15 | 7.10 |
| 1700.0-1799.9 | 245.80 | 6.68 |
| 1800.0-1899.9 | 238.20 | 6.48 |
| 1900.0-1999.9 | 312.15 | 8.49 |
| 2000.0-2099.9 | 360.45 | 9.80 |
| 2100.0-2199.9 | 51.05  | 1.39 |
| 2200.0-2299.9 | 11.15  | 0.30 |
| 2300.0-2399.9 | 1.45   | 0.04 |
| 2400.0-2499.9 | 0.20   | 0.01 |
| 2500.0-2599.9 | 0.05   | 0.00 |
| 2600.0-2700.0 | 0.00   | 0.00 |
| >2700.0       | 0.00   | 0.00 |

#### Monitoring System - C7.1 D6N (D8T18021)

| Description                                           | State     | Trip Point  | Delay Time |
|-------------------------------------------------------|-----------|-------------|------------|
| <b><u>Engine Overspeed</u></b>                        |           |             |            |
| Least Severe (1)                                      | Always On | 3000 rpm    | 0 sec      |
| <b><u>High Air Inlet #1 Differential Pressure</u></b> |           |             |            |
| Least Severe (1)                                      | Always On | 0.1 psi     | 0 sec      |
| Moderate Severity (2)                                 | Always On | 0.1 psi     | 60 sec     |
| <b><u>High Engine Coolant Temperature</u></b>         |           |             |            |
| Least Severe (1)                                      | Always On | 228 Deg F   | 10 sec     |
| Moderate Severity (2)                                 | Always On | 232 Deg F   | 10 sec     |
| Most Severe (3)                                       | Always On | 237 Deg F   | 10 sec     |
| <b><u>High Exhaust Temperature</u></b>                |           |             |            |
| Least Severe (1)                                      | Always On | 352 Deg F   | 8 sec      |
| Moderate Severity (2)                                 | Always On | 356 Deg F   | 8 sec      |
| <b><u>High Fuel/Water Separator Water Level</u></b>   |           |             |            |
| Least Severe (1)                                      | Always On | None        | 5 sec      |
| Moderate Severity (2)                                 | Always On | None        | 1800 sec   |
| <b><u>High Intake Manifold Air Temperature</u></b>    |           |             |            |
| Least Severe (1)                                      | Always On | 253.4 Deg F | 8 sec      |
| Moderate Severity (2)                                 | Always On | 257.0 Deg F | 8 sec      |

|                                |           |      |       |
|--------------------------------|-----------|------|-------|
| <b>Low Engine Oil Pressure</b> |           |      |       |
| Least Severe (1)               | Always On | None | 0 sec |
| Most Severe (3)                | Always On | None | 0 sec |

#### Injector Codes Calibration - C7.1 D6N (D8T18021)

| Injector   | Code                           |
|------------|--------------------------------|
| Injector 1 | 7305120D0E00DB0E1109000000FFB7 |
| Injector 2 | 73071B101415191513112D0000FF08 |
| Injector 3 | 730D1A161207EE141717080000FF77 |
| Injector 4 | 731B2F1B23232420272F2D0000FF11 |
| Injector 5 | 7303120100FFF20402FE050000FF4E |
| Injector 6 | 73090F0F100CFD08221D050000FF03 |

#### Aftertreatment Abnormal Shutdown History - C7.1 D6N (D8T18021)

| Engine Shutdown Type                                  | Engine Shutdown Service Hours | Temperature Threshold | Ambient Air Temperature |
|-------------------------------------------------------|-------------------------------|-----------------------|-------------------------|
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 3747.65 hours                 | 698.0 Deg F           | 107.6 Deg F             |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 3747.45 hours                 | 698.0 Deg F           | 70.5 Deg F              |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 3745.85 hours                 | 698.0 Deg F           | 67.1 Deg F              |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 3004.05 hours                 | 698.0 Deg F           | 101.1 Deg F             |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 2997.05 hours                 | 698.0 Deg F           | 91.6 Deg F              |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 2988.55 hours                 | 698.0 Deg F           | 68.7 Deg F              |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 2922.65 hours                 | 698.0 Deg F           | 85.5 Deg F              |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 2333.95 hours                 | 698.0 Deg F           | 42.6 Deg F              |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 2167.55 hours                 | 698.0 Deg F           | 74.3 Deg F              |

|                                                       |               |             |            |
|-------------------------------------------------------|---------------|-------------|------------|
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 2162.65 hours | 698.0 Deg F | 59.7 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1503.45 hours | 698.0 Deg F | 76.6 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1497.76 hours | 698.0 Deg F | 62.1 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1475.08 hours | 698.0 Deg F | 63.3 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1475.05 hours | 698.0 Deg F | 60.6 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1379.55 hours | 698.0 Deg F | 68.0 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1360.55 hours | 698.0 Deg F | 69.6 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1208.05 hours | 698.0 Deg F | 44.4 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1207.75 hours | 698.0 Deg F | 77.2 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 1207.35 hours | 698.0 Deg F | 75.0 Deg F |
| Hot Shutdown (Above DPF Outlet Temperature Threshold) | 493.35 hours  | 698.0 Deg F | 94.3 Deg F |

#### **Powertrain D6N (NJN00111)**

| <b>Parameter</b>            | <b>Value</b>    |
|-----------------------------|-----------------|
| Product ID                  | NJN00111        |
| Equipment ID                | NJN00111        |
| ECM Part Number             | 3656773-04      |
| ECM Serial Number           | 14666321VD      |
| Software Group Part Number  | 5219197-00      |
| Software Group Release Date | SEP2016         |
| Software Group Description  | D6N Tier4 Final |

**Logged Diagnostic Codes [Diagnostic Clock = 3749 hours] - Powertrain D6N (NJN00111)**

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

**Logged Event Codes [Diagnostic Clock = 3749 hours] - Powertrain D6N (NJN00111)**

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

**Active Diagnostic Codes - Powertrain D6N (NJN00111)**

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

**Active Event Codes - Powertrain D6N (NJN00111)**

| Code             | Description |
|------------------|-------------|
| No Active Events |             |

**System Communication Status - Active Problems - Powertrain D6N (NJN00111)**

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

**System Communication Status - Inactive Problems - Powertrain D6N (NJN00111)**

| ECMs                                                                     | Detected Problem                                                    | Data Link | Diagnostic Information                                     |
|--------------------------------------------------------------------------|---------------------------------------------------------------------|-----------|------------------------------------------------------------|
| Device 1: Powertrain D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #1  | Diagnostic Code: 247-9 - Service Hour Meter: 3748:54:40 -  |
| Device 1: Powertrain D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #1  | Diagnostic Code: 247-9 - Service Hour Meter: 3746:24:40 -  |
| Device 1: Powertrain D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #1  | Diagnostic Code: 247-9 - Service Hour Meter: 3746:24:40 -  |
| Device 1: Powertrain D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #2  | Diagnostic Code: 2348-9 - Service Hour Meter: 3748:54:40 - |
| Device 1: Powertrain D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #2  | Diagnostic Code: 2348-9 - Service Hour Meter: 3746:24:40 - |
| Device 1: Powertrain D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #2  | Diagnostic Code: 2348-9 - Service Hour Meter: 3746:24:40 - |

**Current Totals - Powertrain D6N (NJN00111)**

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

|                                                         |         |       |
|---------------------------------------------------------|---------|-------|
| Total Distance                                          | 7403.70 | Miles |
| Total Forward Distance                                  | 4408.69 | Miles |
| Total Reverse Distance                                  | 2960.03 | Miles |
| Total Neutral Gear Operating Hours                      | 935     | hours |
| Total Distance Coasting In Neutral                      | 35.0    | Miles |
| Total Hours Coasting In Neutral                         | 43      | hours |
| Total First Forward Gear Operating Hours                | 762     | hours |
| Total Second Forward Gear Operating Hours               | 973     | hours |
| Total Third Forward Gear Operating Hours                | 114     | hours |
| Total First Reverse Gear Operating Hours                | 278     | hours |
| Total Second Reverse Gear Operating Hours               | 614     | hours |
| Total Third Reverse Gear Operating Hours                | 73      | hours |
| Total Powertrain Oil Filter Bypass Hours                | 0.10    | hours |
| Total Powertrain Oil Filter Bypass Active Warning Hours | 0       | hours |
| Lockup Clutch Count                                     | 243555  |       |
| Total Hours in Transmission Direct Drive                | 839.8   | hours |

#### Configuration - Powertrain D6N (NJN00111)

| Description                                         | Value     | Unit |
|-----------------------------------------------------|-----------|------|
| Product ID                                          | NJN00111  |      |
| Equipment ID                                        | NJN00111  |      |
| Transmission Serial Number                          |           |      |
| Maximum Forward Track Speed Range Limit             | 3.0       |      |
| Maximum Reverse Track Speed Range Limit             | 3.0       |      |
| Steering Modulation Setting                         | Medium    |      |
| Transmission Calibration Selected Clutch            | 0         |      |
| Maximum Deceleration Pedal Position Engine Speed    | 1000.0    | rpm  |
| Low System Battery Voltage Elevated Idle            | Enabled   |      |
| Engine Warm Up Elevated Idle Feature Enable Status  | Enabled   |      |
| Automatic Engine Speed Control (AESC) Enable Status | Enabled   |      |
| Automatic Engine Speed Control (AESC) Delay Time    | 3.0       | sec  |
| Enhanced Autoshift Enable Status                    | Enabled   |      |
| Lockup Clutch Installation Status                   | Installed |      |
| Service Mode Enable Code                            | 1234      |      |
| Noise Regulation Configuration                      | None      |      |

|                                                      |               |  |
|------------------------------------------------------|---------------|--|
| Advanced Machine Security System Installation Status | Not Installed |  |
| External Authentication Device Installation Status   | Not Installed |  |
| Total Tattletale                                     | 1             |  |

#### Calibration Status - Powertrain D6N (NJN00111)

| Calibration                                  | Status  | Last Successful Completion |
|----------------------------------------------|---------|----------------------------|
| Transmission Fill Calibration                | Success | 0.9 hours                  |
| Steering Control Position Sensor Calibration | Success | 0.0 hours                  |
| Service Brake Pedal Calibration              | Success | 0.0 hours                  |
| Brake Touch-Up Pressure Calibration          | Success | 0.5 hours                  |

#### Job:Accumulated Time vs Transmission Oil Temperature - Powertrain D6N (NJN00111)

| Transmission Oil Temperature( Deg F ) | hours   | %     |
|---------------------------------------|---------|-------|
| <131.0                                | 294.15  | 8.18  |
| 131.0-139.9                           | 88.15   | 2.45  |
| 140.0-148.9                           | 96.65   | 2.69  |
| 149.0-157.9                           | 132.45  | 3.68  |
| 158.0-166.9                           | 200.60  | 5.58  |
| 167.0-175.9                           | 1510.95 | 42.03 |
| 176.0-184.9                           | 1114.65 | 31.01 |
| 185.0-193.9                           | 109.30  | 3.04  |
| 194.0-202.9                           | 12.25   | 0.34  |
| 203.0-211.9                           | 10.90   | 0.30  |
| 212.0-220.9                           | 6.85    | 0.19  |
| 221.0-229.9                           | 4.55    | 0.13  |
| 230.0-239.0                           | 3.55    | 0.10  |
| >239.0                                | 9.90    | 0.28  |

#### Job:Accumulated Time vs Torque Converter Oil Outlet Temperature - Powertrain D6N (NJN00111)

| Torque Converter Oil Outlet Temperature( Deg F ) | hours   | %     |
|--------------------------------------------------|---------|-------|
| <140.0                                           | 392.85  | 10.57 |
| 140.0-148.9                                      | 93.60   | 2.52  |
| 149.0-157.9                                      | 127.45  | 3.43  |
| 158.0-166.9                                      | 172.25  | 4.64  |
| 167.0-175.9                                      | 791.95  | 21.32 |
| 176.0-184.9                                      | 1519.20 | 40.89 |
| 185.0-193.9                                      | 454.70  | 12.24 |
| 194.0-202.9                                      | 76.80   | 2.07  |
| 203.0-211.9                                      | 29.05   | 0.78  |
| 212.0-220.9                                      | 18.20   | 0.49  |
| 221.0-229.9                                      | 16.25   | 0.44  |
| 230.0-238.9                                      | 9.30    | 0.25  |

|             |      |      |
|-------------|------|------|
| 239.0-247.9 | 6.70 | 0.18 |
| 248.0-256.9 | 4.15 | 0.11 |
| 257.0-265.9 | 2.45 | 0.07 |
| 266.0-274.9 | 0.25 | 0.01 |
| 275.0-283.9 | 0.00 | 0.00 |
| 284.0-293.0 | 0.00 | 0.00 |
| >293.0      | 0.00 | 0.00 |

#### Converter Output Speed vs Transmission Input Torque in 1F - Powertrain D6N (NJN00111)

| rpm           | <(-1600.0) | (-1600.0)-(-1200.1) | (-1200.0)-(-800.1) | (-800.0)-(-400.1) | (-400.0)-(-0.1) | 0.0-199.9 | 200.0-399.9 | 400.0-599.9 | 600.0-799.9 |
|---------------|------------|---------------------|--------------------|-------------------|-----------------|-----------|-------------|-------------|-------------|
| lb-ft         |            |                     |                    |                   |                 |           |             |             |             |
| <(-310)       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-310)-(-267) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-266)-(-222) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-221)-(-178) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-177)-(-134) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-133)-(-90)  | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-89)-(-45)   | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-44)-(-1)    | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| 0-91          | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 1.05        |
| 92-183        | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.25        | 1.00        | 2.55        |
| 184-276       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.70      | 0.40        | 0.85        | 2.20        |
| 277-368       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.65      | 0.50        | 0.70        | 0.90        |
| 369-460       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 3.25      | 0.30        | 0.35        | 0.40        |
| 461-552       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 1.20      | 0.15        | 0.20        | 0.25        |
| 553-644       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.50      | 0.10        | 0.10        | 0.15        |
| 645-737       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.20      | 0.05        | 0.05        | 0.15        |
| 738-829       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.10      | 0.05        | 0.05        | 0.05        |
| 830-921       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.05      | 0.05        | 0.05        | 0.00        |
| 922-1013      | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.05      | 0.00        | 0.00        | 0.00        |
| 1014-1105     | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.05      | 0.00        | 0.00        | 0.00        |
| 1106-1290     | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| 1291-1474     | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| 1475-1660     | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| >1660         | 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            | 6.75      | 1.85        | 3.35        | 7.70        |

### Converter Output Speed vs Transmission Input Torque in 1F - Powertrain D6N (NJN00111)

| rpm           | 800.0-999.9 | 1000.0-1199.9 | 1200.0-1399.9 | 1400.0-1599.9 | 1600.0-1799.9 | 1800.0-1999.9 | 2000.0-2199.9 | 2200.0-2399.9 | 2400.0-2599.9 |
|---------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| lb-ft         |             |               |               |               |               |               |               |               |               |
| <(-310)       | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-310)-(-267) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-266)-(-222) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-221)-(-178) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.05          | 0.05          | 0.00          | 0.00          |
| (-177)-(-134) | 0.00        | 0.00          | 0.00          | 0.05          | 0.05          | 0.10          | 0.10          | 0.00          | 0.00          |
| (-133)-(-90)  | 0.00        | 0.00          | 0.05          | 0.15          | 0.20          | 0.30          | 0.25          | 0.05          | 0.15          |
| (-89)-(-45)   | 0.00        | 0.05          | 0.20          | 0.45          | 0.60          | 0.90          | 0.70          | 0.35          | 0.20          |
| (-44)-(-1)    | 0.15        | 0.60          | 1.25          | 1.80          | 2.00          | 2.45          | 3.05          | 0.85          | 0.00          |
| 0-91          | 2.10        | 6.75          | 15.30         | 23.85         | 29.85         | 33.50         | 87.60         | 0.70          | 0.00          |
| 92-183        | 4.60        | 6.90          | 11.95         | 23.15         | 26.65         | 49.65         | 65.40         | 0.15          | 0.00          |
| 184-276       | 4.50        | 6.85          | 6.65          | 10.30         | 15.60         | 41.60         | 40.30         | 0.05          | 0.00          |
| 277-368       | 1.65        | 2.60          | 3.55          | 6.25          | 19.00         | 37.90         | 10.10         | 0.00          | 0.00          |
| 369-460       | 1.05        | 1.65          | 2.80          | 11.20         | 16.85         | 5.60          | 0.55          | 0.00          | 0.00          |
| 461-552       | 0.60        | 1.20          | 5.30          | 9.90          | 3.20          | 0.65          | 0.10          | 0.00          | 0.00          |
| 553-644       | 0.40        | 1.10          | 0.80          | 0.35          | 0.35          | 0.10          | 0.00          | 0.00          | 0.00          |
| 645-737       | 0.25        | 0.05          | 0.05          | 0.20          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          |
| 738-829       | 0.00        | 0.00          | 0.00          | 0.10          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 830-921       | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 922-1013      | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 1014-1105     | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 1106-1290     | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 1291-1474     | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 1475-1660     | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| >1660         | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| Total         | 15.30       | 27.75         | 47.90         | 87.75         | 114.40        | 172.80        | 208.20        | 2.15          | 0.35          |

### Converter Output Speed vs Transmission Input Torque in 1F - Powertrain D6N (NJN00111)

| rpm           | 2600.0-2799.9 | 2800.0-2999.9 | 3000.0-3499.9 | 3500.0-4000.0 | >4000.0 | Total |
|---------------|---------------|---------------|---------------|---------------|---------|-------|
| lb-ft         |               |               |               |               |         |       |
| <(-310)       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| (-310)-(-267) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| (-266)-(-222) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| (-221)-(-178) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.10  |
| (-177)-(-134) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.30  |
| (-133)-(-90)  | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 1.15  |

|             |      |      |      |      |      |        |
|-------------|------|------|------|------|------|--------|
| (-89)-(-45) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.45   |
| (-44)-(-1)  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.15  |
| 0-91        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 200.70 |
| 92-183      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 192.25 |
| 184-276     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 130.00 |
| 277-368     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 83.80  |
| 369-460     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.00  |
| 461-552     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.75  |
| 553-644     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.95   |
| 645-737     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05   |
| 738-829     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35   |
| 830-921     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15   |
| 922-1013    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05   |
| 1014-1105   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05   |
| 1106-1290   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| 1291-1474   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| 1475-1660   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| >1660       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| Total       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 696.25 |

#### Converter Output Speed vs Transmission Input Torque in 2F - Powertrain D6N (NJN00111)

| rpm           | <(-1600.0) | (-1600.0)-(-1200.1) | (-1200.0)-(-800.1) | (-800.0)-(-400.1) | (-400.0)-(-0.1) | 0.0-199.9 | 200.0-399.9 | 400.0-599.9 | 600.0-799.9 |
|---------------|------------|---------------------|--------------------|-------------------|-----------------|-----------|-------------|-------------|-------------|
| lb-ft         |            |                     |                    |                   |                 |           |             |             |             |
| <(-310)       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-310)-(-267) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-266)-(-222) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-221)-(-178) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-177)-(-134) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-133)-(-90)  | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-89)-(-45)   | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-44)-(-1)    | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| 0-91          | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.45        |
| 92-183        | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.25        | 1.20        | 2.35        |
| 184-276       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 1.15      | 0.55        | 1.20        | 2.70        |
| 277-368       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.80      | 0.65        | 1.30        | 2.10        |
| 369-460       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 3.35      | 0.70        | 0.80        | 1.30        |
| 461-552       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 2.10      | 0.40        | 0.55        | 1.35        |
| 553-644       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 1.20      | 0.25        | 0.50        | 0.90        |
| 645-737       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.70      | 0.20        | 0.35        | 1.30        |
| 738-829       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.45      | 0.15        | 0.40        | 2.80        |
| 830-921       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.50      | 0.15        | 0.65        | 0.50        |



|       |       |       |        |        |        |        |        |      |      |
|-------|-------|-------|--------|--------|--------|--------|--------|------|------|
| Total | 34.15 | 64.40 | 110.10 | 171.50 | 159.95 | 231.65 | 163.05 | 0.85 | 0.05 |
|-------|-------|-------|--------|--------|--------|--------|--------|------|------|

#### Converter Output Speed vs Transmission Input Torque in 2F - Powertrain D6N (NJN00111)

| rpm           | 2600.0-2799.9 | 2800.0-2999.9 | 3000.0-3499.9 | 3500.0-4000.0 | >4000.0 | Total  |
|---------------|---------------|---------------|---------------|---------------|---------|--------|
| lb-ft         |               |               |               |               |         |        |
| <(-310)       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-310)-(-267) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-266)-(-222) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-221)-(-178) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.05   |
| (-177)-(-134) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.25   |
| (-133)-(-90)  | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.75   |
| (-89)-(-45)   | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 2.55   |
| (-44)-(-1)    | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 9.55   |
| 0-91          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 165.65 |
| 92-183        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 286.85 |
| 184-276       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 199.90 |
| 277-368       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 123.90 |
| 369-460       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 74.90  |
| 461-552       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 55.25  |
| 553-644       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 30.15  |
| 645-737       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 14.80  |
| 738-829       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 5.55   |
| 830-921       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 1.85   |
| 922-1013      | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.50   |
| 1014-1105     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.20   |
| 1106-1290     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.50   |
| 1291-1474     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| 1475-1660     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| >1660         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| Total         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 973.15 |

#### Converter Output Speed vs Transmission Input Torque in 3F - Powertrain D6N (NJN00111)

| rpm           | <(-1600.0) | (-1600.0)-(-1200.1) | (-1200.0)-(-800.1) | (-800.0)-(-400.1) | (-400.0)-(-0.1) | 0.0-199.9 | 200.0-399.9 | 400.0-599.9 | 600.0-799.9 |
|---------------|------------|---------------------|--------------------|-------------------|-----------------|-----------|-------------|-------------|-------------|
| lb-ft         |            |                     |                    |                   |                 |           |             |             |             |
| <(-310)       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-310)-(-237) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-236)-(-119) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-118)-(-1)   | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| 0-183         | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.05        | 0.10        | 0.35        |
| 184-368       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.40      | 0.35        | 0.70        | 1.20        |
| 369-552       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 1.15      | 0.45        | 0.65        | 0.95        |
| 553-737       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.40      | 0.40        | 0.70        | 0.85        |
| 738-921       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.35      | 0.35        | 0.75        | 0.85        |

|           |      |      |      |      |      |      |      |      |      |
|-----------|------|------|------|------|------|------|------|------|------|
| 922-1290  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.45 | 0.25 | 0.00 |
| 1291-1660 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| >1660     | 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 | 2.80 | 2.05 | 3.15 | 4.20 |

#### Converter Output Speed vs Transmission Input Torque in 3F - Powertrain D6N (NJN00111)

| rpm           | 800.0-999.9 | 1000.0-1199.9 | 1200.0-1399.9 | 1400.0-1599.9 | 1600.0-1799.9 | 1800.0-1999.9 | 2000.0-2199.9 | 2200.0-2399.9 | 2400.0-2599.9 |
|---------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| lb-ft         |             |               |               |               |               |               |               |               |               |
| <(-310)       | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-310)-(-237) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-236)-(-119) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-118)-(-1)   | 0.05        | 0.15          | 0.20          | 0.20          | 0.15          | 0.15          | 0.05          | 0.05          | 0.00          |
| 0-183         | 0.75        | 3.05          | 6.55          | 12.70         | 7.50          | 14.80         | 5.10          | 0.00          | 0.00          |
| 184-368       | 2.70        | 5.10          | 5.75          | 8.40          | 4.40          | 7.60          | 1.10          | 0.00          | 0.00          |
| 369-552       | 1.55        | 2.30          | 3.80          | 2.70          | 1.10          | 0.30          | 0.00          | 0.00          | 0.00          |
| 553-737       | 1.50        | 1.45          | 0.45          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 738-921       | 0.20        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 922-1290      | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 1291-1660     | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| >1660         | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| Total         | 6.75        | 12.05         | 16.75         | 24.05         | 13.15         | 22.85         | 6.25          | 0.05          | 0.00          |

#### Converter Output Speed vs Transmission Input Torque in 3F - Powertrain D6N (NJN00111)

| rpm           | 2600.0-2799.9 | 2800.0-2999.9 | 3000.0-3499.9 | 3500.0-4000.0 | >4000.0 | Total  |
|---------------|---------------|---------------|---------------|---------------|---------|--------|
| lb-ft         |               |               |               |               |         |        |
| <(-310)       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-310)-(-237) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-236)-(-119) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-118)-(-1)   | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 1.00   |
| 0-183         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 50.95  |
| 184-368       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 37.70  |
| 369-552       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 14.95  |
| 553-737       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 5.80   |
| 738-921       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 2.50   |
| 922-1290      | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 1.20   |
| 1291-1660     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| >1660         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| Total         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 114.10 |

#### Converter Output Speed vs Transmission Input Torque in 1R - Powertrain D6N (NJN00111)

| rpm | <(-1600.0) | (-1600.0)-(-1200.0) | (-800.0)-(-400.1) | (-400.0)-(-0.1) | 0.0-199.9 | 200.0-399.9 | 400.0-599.9 | 600.0-799.9 |
|-----|------------|---------------------|-------------------|-----------------|-----------|-------------|-------------|-------------|
|-----|------------|---------------------|-------------------|-----------------|-----------|-------------|-------------|-------------|

|               |      | (-1200.1) | (-800.1) |      |      |      |      |      |      |
|---------------|------|-----------|----------|------|------|------|------|------|------|
| lb-ft         |      |           |          |      |      |      |      |      |      |
| <(-310)       | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| (-310)-(-237) | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| (-236)-(-119) | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| (-118)-(-1)   | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-183         | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.00 | 0.25 | 1.00 | 1.60 |
| 184-368       | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 1.50 | 0.80 | 1.25 | 2.35 |
| 369-552       | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 1.90 | 0.40 | 0.45 | 0.50 |
| 553-737       | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.60 | 0.10 | 0.10 | 0.15 |
| 738-921       | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.20 | 0.05 | 0.05 | 0.05 |
| 922-1290      | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.10 | 0.05 | 0.00 | 0.00 |
| 1291-1660     | 0.00 | 0.00      | 0.00     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| >1660         | 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 | 4.30 | 1.65 | 2.85 | 4.65 |

#### Converter Output Speed vs Transmission Input Torque in 1R - Powertrain D6N (NJN00111)

| rpm           | 800.0-999.9 | 1000.0-1199.9 | 1200.0-1399.9 | 1400.0-1599.9 | 1600.0-1799.9 | 1800.0-1999.9 | 2000.0-2199.9 | 2200.0-2399.9 | 2400.0-2599.9 |
|---------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| lb-ft         |             |               |               |               |               |               |               |               |               |
| <(-310)       | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-310)-(-237) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-236)-(-119) | 0.00        | 0.00          | 0.00          | 0.05          | 0.10          | 0.25          | 0.45          | 0.40          | 0.40          |
| (-118)-(-1)   | 0.10        | 0.40          | 1.05          | 2.00          | 2.80          | 3.80          | 4.45          | 2.90          | 1.25          |
| 0-183         | 2.90        | 5.55          | 11.55         | 21.40         | 28.50         | 43.75         | 80.85         | 0.75          | 0.00          |
| 184-368       | 4.35        | 5.90          | 6.15          | 5.90          | 6.35          | 8.25          | 5.90          | 0.00          | 0.00          |
| 369-552       | 0.65        | 0.95          | 1.15          | 1.35          | 0.70          | 0.40          | 0.10          | 0.00          | 0.00          |
| 553-737       | 0.20        | 0.20          | 0.05          | 0.05          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          |
| 738-921       | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 922-1290      | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 1291-1660     | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| >1660         | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| Total         | 8.20        | 13.00         | 19.95         | 30.75         | 38.50         | 56.45         | 91.75         | 4.05          | 1.65          |

#### Converter Output Speed vs Transmission Input Torque in 1R - Powertrain D6N (NJN00111)

| rpm           | 2600.0-2799.9 | 2800.0-2999.9 | 3000.0-3499.9 | 3500.0-4000.0 | >4000.0 | Total |
|---------------|---------------|---------------|---------------|---------------|---------|-------|
| lb-ft         |               |               |               |               |         |       |
| <(-310)       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| (-310)-(-237) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |

|               |      |      |      |      |      |        |
|---------------|------|------|------|------|------|--------|
| (-236)-(-119) | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95   |
| (-118)-(-1)   | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 18.80  |
| 0-183         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 198.10 |
| 184-368       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.70  |
| 369-552       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.55   |
| 553-737       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50   |
| 738-921       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35   |
| 922-1290      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15   |
| 1291-1660     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| >1660         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| Total         | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 278.10 |

#### Converter Output Speed vs Transmission Input Torque in 2R - Powertrain D6N (NJN00111)

| rpm           | <(-1600.0) | (-1600.0)-(-1200.1) | (-1200.0)-(-800.1) | (-800.0)-(-400.1) | (-400.0)-(-0.1) | 0.0-199.9 | 200.0-399.9 | 400.0-599.9 | 600.0-799.9 |
|---------------|------------|---------------------|--------------------|-------------------|-----------------|-----------|-------------|-------------|-------------|
| lb-ft         |            |                     |                    |                   |                 |           |             |             |             |
| <(-310)       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-310)-(-237) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-236)-(-119) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-118)-(-1)   | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| 0-183         | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.25        | 0.85        | 2.20        |
| 184-368       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 1.30      | 1.45        | 2.50        | 4.25        |
| 369-552       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 4.40      | 1.00        | 1.85        | 3.75        |
| 553-737       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 1.65      | 0.60        | 1.25        | 1.80        |
| 738-921       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.75      | 0.20        | 0.30        | 0.35        |
| 922-1290      | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.65      | 0.10        | 0.05        | 0.00        |
| 1291-1660     | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| >1660         | 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            | 8.75      | 3.60        | 6.80        | 12.35       |

#### Converter Output Speed vs Transmission Input Torque in 2R - Powertrain D6N (NJN00111)

| rpm           | 800.0-999.9 | 1000.0-1199.9 | 1200.0-1399.9 | 1400.0-1599.9 | 1600.0-1799.9 | 1800.0-1999.9 | 2000.0-2199.9 | 2200.0-2399.9 | 2400.0-2599.9 |
|---------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| lb-ft         |             |               |               |               |               |               |               |               |               |
| <(-310)       | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-310)-(-237) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.05          | 0.00          | 0.00          |
| (-236)-(-119) | 0.00        | 0.00          | 0.05          | 0.20          | 0.40          | 0.65          | 0.60          | 0.25          | 0.25          |
| (-118)-(-1)   | 0.25        | 1.35          | 3.40          | 6.15          | 7.25          | 6.35          | 4.20          | 1.00          | 0.40          |
| 0-183         | 5.95        | 14.00         | 39.50         | 69.15         | 64.05         | 91.15         | 86.55         | 0.30          | 0.00          |
| 184-368       | 7.30        | 12.25         | 17.45         | 24.45         | 26.50         | 35.15         | 9.70          | 0.00          | 0.00          |
| 369-552       | 6.70        | 8.60          | 10.20         | 8.00          | 3.55          | 2.30          | 0.05          | 0.00          | 0.00          |

|           |       |       |       |        |        |        |        |      |      |
|-----------|-------|-------|-------|--------|--------|--------|--------|------|------|
| 553-737   | 1.90  | 2.10  | 1.15  | 0.45   | 0.30   | 0.10   | 0.00   | 0.00 | 0.00 |
| 738-921   | 0.15  | 0.05  | 0.00  | 0.05   | 0.00   | 0.00   | 0.00   | 0.00 | 0.00 |
| 922-1290  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00 | 0.00 |
| 1291-1660 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00 | 0.00 |
| >1660     | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00 | 0.00 |
| Total     | 22.25 | 38.35 | 71.75 | 108.45 | 102.05 | 135.70 | 101.15 | 1.55 | 0.65 |

#### Converter Output Speed vs Transmission Input Torque in 2R - Powertrain D6N (NJN00111)

| rpm           | 2600.0-2799.9 | 2800.0-2999.9 | 3000.0-3499.9 | 3500.0-4000.0 | >4000.0 | Total  |
|---------------|---------------|---------------|---------------|---------------|---------|--------|
| lb-ft         |               |               |               |               |         |        |
| <(-310)       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-310)-(-237) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.05   |
| (-236)-(-119) | 0.15          | 0.00          | 0.00          | 0.00          | 0.00    | 2.55   |
| (-118)-(-1)   | 0.05          | 0.00          | 0.00          | 0.00          | 0.00    | 30.40  |
| 0-183         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 373.95 |
| 184-368       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 142.30 |
| 369-552       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 50.40  |
| 553-737       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 11.30  |
| 738-921       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 1.85   |
| 922-1290      | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.80   |
| 1291-1660     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| >1660         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| Total         | 0.20          | 0.00          | 0.00          | 0.00          | 0.00    | 613.60 |

#### Converter Output Speed vs Transmission Input Torque in 3R - Powertrain D6N (NJN00111)

| rpm           | <(-1600.0) | (-1600.0)-(-1200.1) | (-1200.0)-(-800.1) | (-800.0)-(-400.1) | (-400.0)-(-0.1) | 0.0-199.9 | 200.0-399.9 | 400.0-599.9 | 600.0-799.9 |
|---------------|------------|---------------------|--------------------|-------------------|-----------------|-----------|-------------|-------------|-------------|
| lb-ft         |            |                     |                    |                   |                 |           |             |             |             |
| <(-310)       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-310)-(-237) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-236)-(-119) | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| (-118)-(-1)   | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| 0-183         | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.05        | 0.10        | 0.35        |
| 184-368       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.25      | 0.30        | 0.60        | 1.15        |
| 369-552       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.65      | 0.50        | 0.70        | 0.80        |
| 553-737       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.35      | 0.45        | 0.70        | 0.85        |
| 738-921       | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.25      | 0.30        | 0.45        | 0.45        |
| 922-1290      | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.20      | 0.05        | 0.05        | 0.00        |
| 1291-1660     | 0.00       | 0.00                | 0.00               | 0.00              | 0.00            | 0.00      | 0.00        | 0.00        | 0.00        |
| >1660         | 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            | 1.70      | 1.65        | 2.60        | 3.60        |

### Converter Output Speed vs Transmission Input Torque in 3R - Powertrain D6N (NJN00111)

| rpm           | 800.0-999.9 | 1000.0-1199.9 | 1200.0-1399.9 | 1400.0-1599.9 | 1600.0-1799.9 | 1800.0-1999.9 | 2000.0-2199.9 | 2200.0-2399.9 | 2400.0-2599.9 |
|---------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| lb-ft         |             |               |               |               |               |               |               |               |               |
| <(-310)       | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-310)-(-237) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-236)-(-119) | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-118)-(-1)   | 0.05        | 0.25          | 0.40          | 0.45          | 0.25          | 0.15          | 0.00          | 0.00          | 0.00          |
| 0-183         | 1.20        | 3.00          | 6.20          | 10.25         | 2.85          | 3.45          | 1.30          | 0.00          | 0.00          |
| 184-368       | 2.00        | 3.65          | 3.55          | 4.65          | 2.50          | 3.45          | 0.70          | 0.00          | 0.00          |
| 369-552       | 0.95        | 1.40          | 3.10          | 2.65          | 1.10          | 0.10          | 0.00          | 0.00          | 0.00          |
| 553-737       | 1.30        | 1.50          | 0.55          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 738-921       | 0.15        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 922-1290      | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 1291-1660     | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| >1660         | 0.00        | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| Total         | 5.65        | 9.80          | 13.80         | 18.00         | 6.70          | 7.15          | 2.00          | 0.00          | 0.00          |

### Converter Output Speed vs Transmission Input Torque in 3R - Powertrain D6N (NJN00111)

| rpm           | 2600.0-2799.9 | 2800.0-2999.9 | 3000.0-3499.9 | 3500.0-4000.0 | >4000.0 | Total |
|---------------|---------------|---------------|---------------|---------------|---------|-------|
| lb-ft         |               |               |               |               |         |       |
| <(-310)       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| (-310)-(-237) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| (-236)-(-119) | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| (-118)-(-1)   | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 1.55  |
| 0-183         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 28.75 |
| 184-368       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 22.80 |
| 369-552       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 11.95 |
| 553-737       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 5.70  |
| 738-921       | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 1.60  |
| 922-1290      | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.30  |
| 1291-1660     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| >1660         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00  |
| Total         | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 72.65 |

### Shift Count Matrix - Powertrain D6N (NJN00111)

| Gear Being Shifted To   | N    | 1F    | 2F    | 3F   | 3R   | 2R    | 1R   | Total |
|-------------------------|------|-------|-------|------|------|-------|------|-------|
| Gear Being Shifted From |      |       |       |      |      |       |      |       |
| N                       | 1202 | 21281 | 19173 | 1955 | 1405 | 14449 | 7032 | 66497 |

|       |       |        |        |       |       |        |       |        |
|-------|-------|--------|--------|-------|-------|--------|-------|--------|
| 1F    | 9773  | 524    | 11858  | 117   | 1177  | 29390  | 53381 | 106220 |
| 2F    | 12641 | 17090  | 1064   | 4760  | 4809  | 118219 | 3538  | 162121 |
| 3F    | 2237  | 665    | 4411   | 110   | 5009  | 1196   | 78    | 13706  |
| 3R    | 3270  | 1078   | 6319   | 5860  | 108   | 1645   | 239   | 18519  |
| 2R    | 24571 | 21613  | 114721 | 798   | 5952  | 1101   | 3521  | 172277 |
| 1R    | 12801 | 43969  | 4575   | 106   | 60    | 6277   | 544   | 68332  |
| Total | 66495 | 106220 | 162121 | 13706 | 18520 | 172277 | 68333 | 607672 |

#### Gear Shift Count by Transmission Input Torque - Powertrain D6N (NJN00111)

| Speed Shift Identifier | 1F-2F | 2F-3F | 3F-2F | 2F-1F | 1R-2R | 2R-3R | 3R-2R | 2R-1R | Total |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| lb-ft                  |       |       |       |       |       |       |       |       |       |
| <(-96)                 | 33    | 2     | 8     | 39    | 75    | 1     | 43    | 24    | 225   |
| (-96)-73               | 2976  | 433   | 1180  | 4221  | 1528  | 102   | 614   | 811   | 11865 |
| 74-161                 | 2926  | 428   | 940   | 2955  | 1385  | 269   | 190   | 988   | 10081 |
| 162-590                | 5575  | 3680  | 1972  | 9654  | 3259  | 5293  | 750   | 1623  | 31806 |
| >590                   | 348   | 217   | 311   | 221   | 30    | 287   | 48    | 75    | 1537  |
| Total                  | 11858 | 4760  | 4411  | 17090 | 6277  | 5952  | 1645  | 3521  | 55514 |

#### Transmission Slip Count Detected by Gear - Powertrain D6N (NJN00111)

| Actual Gear( ) | Count | %    |
|----------------|-------|------|
| 1F             | 0     | 0.00 |
| 2F             | 0     | 0.00 |
| 3F             | 0     | 0.00 |
| 3R             | 0     | 0.00 |
| 2R             | 0     | 0.00 |
| 1R             | 0     | 0.00 |

#### Job:Accumulated Time vs Desired Track Speed Range - Powertrain D6N (NJN00111)

| Desired Track Speed Range( ) | hours  | %     |
|------------------------------|--------|-------|
| (-3.0)                       | 39.50  | 1.40  |
| (-2.9)                       | 0.00   | 0.00  |
| (-2.8)                       | 0.00   | 0.00  |
| (-2.7)                       | 0.80   | 0.03  |
| (-2.6)                       | 0.00   | 0.00  |
| (-2.5)                       | 36.75  | 1.30  |
| (-2.4)                       | 0.00   | 0.00  |
| (-2.3)                       | 0.00   | 0.00  |
| (-2.2)                       | 0.00   | 0.00  |
| (-2.1)                       | 0.00   | 0.00  |
| (-2.0)                       | 519.75 | 18.44 |
| (-1.9)                       | 0.00   | 0.00  |
| (-1.8)                       | 0.00   | 0.00  |
| (-1.7)                       | 19.95  | 0.71  |
| (-1.6)                       | 0.00   | 0.00  |
| (-1.5)                       | 75.90  | 2.69  |
| (-1.4)                       | 0.00   | 0.00  |
| (-1.3)                       | 0.00   | 0.00  |

|        |        |       |
|--------|--------|-------|
| (-1.2) | 0.00   | 0.00  |
| (-1.1) | 0.00   | 0.00  |
| (-1.0) | 247.30 | 8.78  |
| (-0.9) | 0.00   | 0.00  |
| (-0.8) | 0.00   | 0.00  |
| (-0.7) | 8.20   | 0.29  |
| (-0.6) | 0.00   | 0.00  |
| (-0.5) | 21.15  | 0.75  |
| (-0.4) | 0.00   | 0.00  |
| (-0.3) | 0.00   | 0.00  |
| (-0.2) | 0.00   | 0.00  |
| (-0.1) | 0.00   | 0.00  |
| 0.1    | 0.00   | 0.00  |
| 0.2    | 0.00   | 0.00  |
| 0.3    | 0.00   | 0.00  |
| 0.4    | 0.00   | 0.00  |
| 0.5    | 65.60  | 2.33  |
| 0.6    | 0.00   | 0.00  |
| 0.7    | 20.65  | 0.73  |
| 0.8    | 0.00   | 0.00  |
| 0.9    | 0.00   | 0.00  |
| 1.0    | 659.10 | 23.39 |
| 1.1    | 0.00   | 0.00  |
| 1.2    | 0.00   | 0.00  |
| 1.3    | 0.00   | 0.00  |
| 1.4    | 0.00   | 0.00  |
| 1.5    | 145.80 | 5.17  |
| 1.6    | 0.00   | 0.00  |
| 1.7    | 24.20  | 0.86  |
| 1.8    | 0.00   | 0.00  |
| 1.9    | 0.00   | 0.00  |
| 2.0    | 809.00 | 28.71 |
| 2.1    | 0.00   | 0.00  |
| 2.2    | 0.00   | 0.00  |
| 2.3    | 0.00   | 0.00  |
| 2.4    | 0.00   | 0.00  |
| 2.5    | 49.05  | 1.74  |
| 2.6    | 0.00   | 0.00  |
| 2.7    | 3.05   | 0.11  |
| 2.8    | 0.00   | 0.00  |
| 2.9    | 0.00   | 0.00  |
| 3.0    | 72.10  | 2.56  |

#### Torque Converter Ratio vs Engine Speed in Converter Drive - Powertrain D6N (NJN00111)

| rpm | <700.0 | 700.0-899.9 | 900.0-1099.9 | 1100.0-1299.9 | 1300.0-1399.9 | 1400.0-1449.9 | 1450.0-1499.9 | 1500.0-1549.9 | 1550.0-1599.9 |
|-----|--------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
|-----|--------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|

| Torque<br>Convert<br>er<br>Speed<br>Ratio/Ro<br>tation |      |        |       |       |       |      |      |      |      |
|--------------------------------------------------------|------|--------|-------|-------|-------|------|------|------|------|
| <(-<br>0.300)                                          | 0.00 | 0.00   | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 |
| (-0.300)-<br>(-0.151)                                  | 0.00 | 0.00   | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 |
| (-0.150)-<br>(-0.001)                                  | 0.00 | 0.00   | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.000-<br>0.099                                        | 0.00 | 1.80   | 5.55  | 3.95  | 0.80  | 0.20 | 0.20 | 0.20 | 0.05 |
| 0.100-<br>0.199                                        | 0.00 | 0.05   | 0.20  | 0.35  | 0.15  | 0.05 | 0.05 | 0.05 | 0.05 |
| 0.200-<br>0.299                                        | 0.00 | 0.30   | 0.60  | 0.70  | 0.25  | 0.10 | 0.10 | 0.10 | 0.05 |
| 0.300-<br>0.399                                        | 0.00 | 0.35   | 0.70  | 1.00  | 0.35  | 0.15 | 0.15 | 0.20 | 0.10 |
| 0.400-<br>0.449                                        | 0.00 | 0.20   | 0.40  | 0.70  | 0.25  | 0.10 | 0.10 | 0.15 | 0.10 |
| 0.450-<br>0.499                                        | 0.00 | 0.20   | 0.50  | 0.85  | 0.30  | 0.15 | 0.15 | 0.20 | 0.15 |
| 0.500-<br>0.549                                        | 0.00 | 0.20   | 0.60  | 1.05  | 0.40  | 0.20 | 0.20 | 0.25 | 0.20 |
| 0.550-<br>0.599                                        | 0.00 | 0.20   | 0.75  | 1.40  | 0.55  | 0.25 | 0.25 | 0.35 | 0.30 |
| 0.600-<br>0.649                                        | 0.00 | 0.25   | 0.90  | 1.90  | 0.80  | 0.40 | 0.45 | 0.55 | 0.50 |
| 0.650-<br>0.699                                        | 0.00 | 0.30   | 1.05  | 2.60  | 1.30  | 0.60 | 0.65 | 0.70 | 0.60 |
| 0.700-<br>0.749                                        | 0.00 | 0.40   | 1.20  | 3.35  | 2.05  | 0.90 | 0.85 | 0.75 | 0.70 |
| 0.750-<br>0.799                                        | 0.00 | 0.70   | 1.40  | 4.65  | 2.90  | 1.45 | 1.15 | 1.20 | 1.00 |
| 0.800-<br>0.849                                        | 0.00 | 5.70   | 1.95  | 6.75  | 4.70  | 2.35 | 2.35 | 2.80 | 1.80 |
| 0.850-<br>0.899                                        | 0.00 | 39.10  | 3.40  | 10.75 | 10.70 | 6.50 | 7.75 | 9.65 | 7.35 |
| 0.900-<br>0.949                                        | 0.00 | 63.10  | 5.15  | 11.10 | 8.40  | 5.60 | 6.70 | 9.00 | 7.30 |
| 0.950-<br>0.999                                        | 0.05 | 157.30 | 19.25 | 30.60 | 5.85  | 2.95 | 2.85 | 3.90 | 2.75 |
| 1.000-<br>1.049                                        | 0.00 | 0.05   | 0.35  | 0.75  | 0.50  | 0.30 | 0.30 | 0.30 | 0.30 |
| 1.050-<br>1.099                                        | 0.00 | 0.00   | 0.10  | 0.30  | 0.25  | 0.15 | 0.15 | 0.20 | 0.15 |
| 1.100-<br>1.199                                        | 0.00 | 0.00   | 0.15  | 0.40  | 0.35  | 0.20 | 0.20 | 0.20 | 0.20 |
| 1.200-<br>1.399                                        | 0.00 | 0.00   | 0.25  | 0.45  | 0.30  | 0.20 | 0.20 | 0.20 | 0.15 |
| 1.400-<br>1.599                                        | 0.00 | 0.00   | 0.05  | 0.10  | 0.05  | 0.05 | 0.05 | 0.05 | 0.00 |

|             |      |        |       |       |       |       |       |       |       |
|-------------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1.600-2.000 | 0.00 | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| >2.000      | 0.00 | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Total       | 0.05 | 270.20 | 44.50 | 83.70 | 41.20 | 22.85 | 24.85 | 31.00 | 23.80 |

#### Torque Converter Ratio vs Engine Speed in Converter Drive - Powertrain D6N (NJN00111)

| rpm                                   | 1600.0-1649.9 | 1650.0-1699.9 | 1700.0-1749.9 | 1750.0-1799.9 | 1800.0-1849.9 | 1850.0-1899.9 | 1900.0-1949.9 | 1950.0-1999.9 | 2000.0-2049.9 |
|---------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Torque Converter Speed Ratio/Rotation |               |               |               |               |               |               |               |               |               |
| <(-0.300)                             | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-0.300)-(-0.151)                     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| (-0.150)-(-0.001)                     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.000-0.099                           | 0.05          | 0.05          | 0.05          | 0.05          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.100-0.199                           | 0.05          | 0.05          | 0.05          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.200-0.299                           | 0.05          | 0.05          | 0.10          | 0.10          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.300-0.399                           | 0.10          | 0.15          | 0.15          | 0.20          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.400-0.449                           | 0.05          | 0.10          | 0.10          | 0.20          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.450-0.499                           | 0.10          | 0.15          | 0.15          | 0.25          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.500-0.549                           | 0.15          | 0.20          | 0.20          | 0.40          | 0.10          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.550-0.599                           | 0.25          | 0.30          | 0.30          | 0.60          | 0.20          | 0.00          | 0.00          | 0.00          | 0.00          |
| 0.600-0.649                           | 0.40          | 0.40          | 0.40          | 0.80          | 0.45          | 0.05          | 0.05          | 0.00          | 0.00          |
| 0.650-0.699                           | 0.50          | 0.50          | 0.50          | 0.95          | 1.10          | 0.15          | 0.05          | 0.05          | 0.00          |
| 0.700-0.749                           | 0.65          | 0.60          | 0.65          | 1.10          | 2.40          | 0.80          | 0.15          | 0.05          | 0.05          |
| 0.750-0.799                           | 0.90          | 0.90          | 1.15          | 1.55          | 3.70          | 3.25          | 1.10          | 0.40          | 0.15          |
| 0.800-0.849                           | 1.80          | 2.10          | 2.55          | 2.20          | 3.50          | 5.55          | 4.40          | 2.95          | 1.75          |
| 0.850-0.899                           | 7.70          | 9.90          | 14.70         | 7.55          | 9.05          | 9.90          | 7.95          | 8.40          | 9.55          |
| 0.900-0.949                           | 8.20          | 11.10         | 18.10         | 9.70          | 11.85         | 11.65         | 8.25          | 8.30          | 9.75          |
| 0.950-0.999                           | 2.70          | 3.00          | 3.65          | 8.25          | 8.75          | 3.15          | 2.30          | 2.00          | 2.30          |
| 1.000-1.049                           | 0.30          | 0.35          | 0.40          | 0.35          | 0.35          | 0.35          | 0.30          | 0.25          | 0.30          |

|             |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.050-1.099 | 0.15  | 0.20  | 0.20  | 0.20  | 0.20  | 0.20  | 0.15  | 0.10  | 0.15  |
| 1.100-1.199 | 0.20  | 0.20  | 0.25  | 0.20  | 0.20  | 0.20  | 0.15  | 0.15  | 0.10  |
| 1.200-1.399 | 0.15  | 0.15  | 0.15  | 0.10  | 0.10  | 0.10  | 0.10  | 0.05  | 0.05  |
| 1.400-1.599 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 1.600-2.000 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| >2.000      | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Total       | 24.45 | 30.45 | 43.80 | 34.80 | 42.15 | 35.35 | 24.95 | 22.70 | 24.15 |

#### Torque Converter Ratio vs Engine Speed in Converter Drive - Powertrain D6N (NJN00111)

| rpm                                   | 2050.0-2099.9 | 2100.0-2199.9 | 2200.0-2399.9 | 2400.0-2599.9 | 2600.0-2799.9 | 2800.0-3000.0 | >3000.0 | Total  |
|---------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------|--------|
| Torque Converter Speed Ratio/Rotation |               |               |               |               |               |               |         |        |
| <(-0.300)                             | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-0.300)-(-0.151)                     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| (-0.150)-(-0.001)                     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 0.00   |
| 0.000-0.099                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 13.00  |
| 0.100-0.199                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 1.15   |
| 0.200-0.299                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 2.50   |
| 0.300-0.399                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 3.65   |
| 0.400-0.449                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 2.50   |
| 0.450-0.499                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 3.20   |
| 0.500-0.549                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 4.15   |
| 0.550-0.599                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 5.70   |
| 0.600-0.649                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 8.30   |
| 0.650-0.699                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 11.60  |
| 0.700-0.749                           | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 16.65  |
| 0.750-0.799                           | 0.05          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00          | 0.00    | 27.65  |
| 0.800-0.849                           | 0.95          | 0.65          | 0.05          | 0.00          | 0.00          | 0.00          | 0.00    | 56.85  |
| 0.850-0.899                           | 9.70          | 28.55         | 14.60         | 0.00          | 0.00          | 0.00          | 0.00    | 232.75 |

|             |       |       |       |      |      |      |      |        |
|-------------|-------|-------|-------|------|------|------|------|--------|
| 0.900-0.949 | 11.10 | 47.50 | 33.35 | 0.00 | 0.00 | 0.00 | 0.00 | 305.20 |
| 0.950-0.999 | 2.75  | 7.70  | 7.85  | 0.00 | 0.00 | 0.00 | 0.00 | 279.90 |
| 1.000-1.049 | 0.30  | 0.80  | 0.80  | 0.00 | 0.00 | 0.00 | 0.00 | 7.70   |
| 1.050-1.099 | 0.15  | 0.50  | 0.60  | 0.00 | 0.00 | 0.00 | 0.00 | 4.10   |
| 1.100-1.199 | 0.10  | 0.40  | 0.65  | 0.00 | 0.00 | 0.00 | 0.00 | 4.50   |
| 1.200-1.399 | 0.05  | 0.05  | 0.05  | 0.00 | 0.00 | 0.00 | 0.00 | 2.85   |
| 1.400-1.599 | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.35   |
| 1.600-2.000 | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| >2.000      | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| Total       | 25.15 | 86.20 | 57.95 | 0.00 | 0.00 | 0.00 | 0.00 | 994.25 |

#### Engine Speed in Direct Drive - Powertrain D6N (NJN00111)

| Engine Speed( rpm ) | hours  | %     |
|---------------------|--------|-------|
| <700.0              | 0.00   | 0.00  |
| 700.0-899.9         | 0.00   | 0.00  |
| 900.0-1099.9        | 0.00   | 0.00  |
| 1100.0-1299.9       | 2.15   | 0.26  |
| 1300.0-1399.9       | 4.80   | 0.57  |
| 1400.0-1449.9       | 3.85   | 0.46  |
| 1450.0-1499.9       | 5.30   | 0.63  |
| 1500.0-1549.9       | 8.25   | 0.98  |
| 1550.0-1599.9       | 12.40  | 1.47  |
| 1600.0-1649.9       | 18.70  | 2.22  |
| 1650.0-1699.9       | 28.25  | 3.36  |
| 1700.0-1749.9       | 37.40  | 4.45  |
| 1750.0-1799.9       | 40.05  | 4.76  |
| 1800.0-1849.9       | 42.10  | 5.01  |
| 1850.0-1899.9       | 50.00  | 5.95  |
| 1900.0-1949.9       | 61.80  | 7.35  |
| 1950.0-1999.9       | 103.20 | 12.27 |
| 2000.0-2049.9       | 188.35 | 22.40 |
| 2050.0-2099.9       | 190.10 | 22.61 |
| 2100.0-2199.9       | 42.80  | 5.09  |
| 2200.0-2399.9       | 1.30   | 0.15  |
| 2400.0-2599.9       | 0.00   | 0.00  |
| 2600.0-2799.9       | 0.00   | 0.00  |
| 2800.0-3000.0       | 0.00   | 0.00  |
| >3000.0             | 0.00   | 0.00  |

#### Job:Accumulated Time vs Throttle Position - Powertrain D6N (NJN00111)

| Throttle Position( ) | hours  | %     |
|----------------------|--------|-------|
| 1.0                  | 261.65 | 19.14 |



|           |      |      |       |     |     |     |     |    |   |
|-----------|------|------|-------|-----|-----|-----|-----|----|---|
| 0.00-0.24 | 0    | 1    | 4     | 0   | 0   | 0   | 0   | 0  | 0 |
| 0.25-0.49 | 1    | 1    | 16    | 0   | 0   | 0   | 0   | 1  | 0 |
| 0.50-0.74 | 6    | 3    | 81    | 3   | 4   | 1   | 4   | 1  | 0 |
| 0.75-0.99 | 11   | 37   | 327   | 34  | 21  | 4   | 3   | 1  | 0 |
| 1.00-1.24 | 971  | 1855 | 25930 | 570 | 417 | 197 | 96  | 37 | 1 |
| 1.25-1.49 | 59   | 125  | 1208  | 128 | 87  | 60  | 26  | 7  | 0 |
| 1.50-1.74 | 84   | 477  | 1709  | 20  | 0   | 4   | 3   | 4  | 0 |
| 1.75-1.99 | 0    | 2    | 147   | 7   | 5   | 0   | 0   | 1  | 1 |
| 2.00-2.24 | 0    | 0    | 11    | 0   | 0   | 0   | 0   | 0  | 0 |
| 2.25-2.49 | 0    | 0    | 0     | 0   | 0   | 0   | 0   | 0  | 0 |
| 2.50-2.74 | 0    | 0    | 0     | 0   | 0   | 0   | 0   | 0  | 0 |
| 2.75-3.00 | 0    | 0    | 0     | 0   | 0   | 0   | 0   | 0  | 0 |
| >3.00     | 0    | 0    | 0     | 0   | 0   | 0   | 0   | 0  | 0 |
| Total     | 1132 | 2501 | 29433 | 762 | 534 | 266 | 132 | 52 | 2 |

#### Directional Shift Braking Time vs Transmission Output Speed - Powertrain D6N (NJN00111)

| rpm       | 2150-2299 | 2300-2499 | 2500-2999 | 3000-3500 | >3500 | Total |
|-----------|-----------|-----------|-----------|-----------|-------|-------|
| sec       |           |           |           |           |       |       |
| 0.00-0.24 | 0         | 0         | 0         | 0         | 0     | 5     |
| 0.25-0.49 | 0         | 0         | 0         | 0         | 0     | 20    |
| 0.50-0.74 | 0         | 0         | 0         | 0         | 0     | 105   |
| 0.75-0.99 | 0         | 0         | 0         | 0         | 0     | 439   |
| 1.00-1.24 | 1         | 0         | 0         | 0         | 0     | 30344 |
| 1.25-1.49 | 0         | 0         | 0         | 0         | 0     | 1716  |
| 1.50-1.74 | 0         | 0         | 0         | 0         | 0     | 2322  |
| 1.75-1.99 | 0         | 0         | 0         | 0         | 0     | 163   |
| 2.00-2.24 | 0         | 0         | 0         | 0         | 0     | 11    |
| 2.25-2.49 | 0         | 0         | 0         | 0         | 0     | 0     |
| 2.50-2.74 | 0         | 0         | 0         | 0         | 0     | 0     |
| 2.75-3.00 | 0         | 0         | 0         | 0         | 0     | 0     |
| >3.00     | 0         | 0         | 0         | 0         | 0     | 0     |
| Total     | 1         | 0         | 0         | 0         | 0     | 35125 |

#### Time in Gear Before Upshift in Autoshift Mode - Powertrain D6N (NJN00111)

| sec                     | 0.0-1.9 | 2.0-4.9 | 5.0-9.9 | 10.0-19.9 | 20.0-60.0 | >60.0 | Total |
|-------------------------|---------|---------|---------|-----------|-----------|-------|-------|
| Gear Being Shifted From |         |         |         |           |           |       |       |
| 1F                      | 254     | 1292    | 1027    | 872       | 668       | 147   | 4260  |

|       |     |      |      |      |      |     |       |
|-------|-----|------|------|------|------|-----|-------|
| 2F    | 134 | 393  | 296  | 166  | 233  | 137 | 1359  |
| 2R    | 199 | 2150 | 657  | 251  | 57   | 5   | 3319  |
| 1R    | 271 | 1451 | 768  | 339  | 126  | 10  | 2965  |
| Total | 858 | 5286 | 2748 | 1628 | 1084 | 299 | 11903 |

#### Time in Gear Before Downshift in Autoshift Mode - Powertrain D6N (NJN00111)

| sec                     | 0.0-1.9 | 2.0-4.9 | 5.0-9.9 | 10.0-19.9 | 20.0-60.0 | >60.0 | Total |
|-------------------------|---------|---------|---------|-----------|-----------|-------|-------|
| Gear Being Shifted From |         |         |         |           |           |       |       |
| 2F                      | 4016    | 2991    | 2953    | 2214      | 1741      | 549   | 14464 |
| 3F                      | 585     | 948     | 785     | 562       | 554       | 367   | 3801  |
| 3R                      | 187     | 815     | 228     | 185       | 121       | 6     | 1542  |
| 2R                      | 726     | 983     | 517     | 566       | 276       | 16    | 3084  |
| Total                   | 5514    | 5737    | 4483    | 3527      | 2692      | 938   | 22891 |

#### Time in Gear Before Upshift in Manual Mode - Powertrain D6N (NJN00111)

| sec                     | 0.0-1.9 | 2.0-4.9 | 5.0-9.9 | 10.0-19.9 | 20.0-60.0 | >60.0 | Total |
|-------------------------|---------|---------|---------|-----------|-----------|-------|-------|
| Gear Being Shifted From |         |         |         |           |           |       |       |
| 1F                      | 898     | 1526    | 720     | 525       | 754       | 157   | 4580  |
| 2F                      | 179     | 374     | 284     | 285       | 323       | 136   | 1581  |
| 2R                      | 372     | 579     | 312     | 113       | 33        | 0     | 1409  |
| 1R                      | 524     | 1259    | 521     | 176       | 73        | 7     | 2560  |
| Total                   | 1973    | 3738    | 1837    | 1099      | 1183      | 300   | 10130 |

#### Time in Gear Before Downshift in Manual Mode - Powertrain D6N (NJN00111)

| sec                     | 0.0-1.9 | 2.0-4.9 | 5.0-9.9 | 10.0-19.9 | 20.0-60.0 | >60.0 | Total |
|-------------------------|---------|---------|---------|-----------|-----------|-------|-------|
| Gear Being Shifted From |         |         |         |           |           |       |       |
| 2F                      | 1438    | 860     | 381     | 296       | 289       | 106   | 3370  |
| 3F                      | 200     | 307     | 213     | 193       | 260       | 203   | 1376  |
| 3R                      | 47      | 107     | 83      | 124       | 86        | 3     | 450   |
| 2R                      | 244     | 145     | 130     | 129       | 139       | 1     | 788   |
| Total                   | 1929    | 1419    | 807     | 742       | 774       | 313   | 5984  |

#### Time Coasting in N vs Transmission Output Speed - Powertrain D6N (NJN00111)

| Transmission Output Speed( rpm ) | hours | %    |
|----------------------------------|-------|------|
| <(-5500.0)                       | 0.20  | 0.02 |
| (-5500.0)-(-5000.1)              | 0.00  | 0.00 |
| (-5000.0)-(-4500.1)              | 0.00  | 0.00 |
| (-4500.0)-(-4000.1)              | 0.00  | 0.00 |
| (-4000.0)-(-3500.1)              | 0.00  | 0.00 |
| (-3500.0)-(-3000.1)              | 0.00  | 0.00 |
| (-3000.0)-(-2500.1)              | 0.00  | 0.00 |
| (-2500.0)-(-2200.1)              | 0.05  | 0.01 |
| (-2200.0)-(-1900.1)              | 0.10  | 0.01 |

|                     |        |       |
|---------------------|--------|-------|
| (-1900.0)-(-1600.1) | 0.25   | 0.03  |
| (-1600.0)-(-1300.1) | 0.75   | 0.08  |
| (-1300.0)-(-1000.1) | 2.85   | 0.29  |
| (-1000.0)-(-700.1)  | 5.85   | 0.59  |
| (-700.0)-(-400.1)   | 7.95   | 0.80  |
| (-400.0)-(-0.1)     | 10.55  | 1.06  |
| 0.0-399.9           | 957.60 | 96.57 |
| 400.0-699.9         | 3.40   | 0.34  |
| 700.0-999.9         | 1.55   | 0.16  |
| 1000.0-1299.9       | 0.40   | 0.04  |
| 1300.0-1599.9       | 0.10   | 0.01  |
| 1600.0-1899.9       | 0.00   | 0.00  |
| 1900.0-2199.9       | 0.00   | 0.00  |
| 2200.0-2499.9       | 0.00   | 0.00  |
| 2500.0-2999.9       | 0.00   | 0.00  |
| 3000.0-3499.9       | 0.00   | 0.00  |
| 3500.0-3999.9       | 0.00   | 0.00  |
| 4000.0-4499.9       | 0.00   | 0.00  |
| 4500.0-4999.9       | 0.00   | 0.00  |
| 5000.0-5500.0       | 0.00   | 0.00  |
| >5500.0             | 0.00   | 0.00  |

#### Lockup Clutch Engagement Frequency - Powertrain D6N (NJN00111)

| sec                                      | 0.0-1.9 | 2.0-4.9 | 5.0-9.9 | 10.0-19.9 | 20.0-60.0 | >60.0 | Total  |
|------------------------------------------|---------|---------|---------|-----------|-----------|-------|--------|
| Transmissi<br>on<br>Driveline<br>Engaged |         |         |         |           |           |       |        |
| Time in<br>Direct<br>Drive               | 317525  | 42997   | 56235   | 53509     | 35537     | 3223  | 509026 |
| Time in<br>Converter<br>Drive            | 8016    | 75380   | 27754   | 41503     | 47780     | 19303 | 219736 |
| Total                                    | 325541  | 118377  | 83989   | 95012     | 83317     | 22526 | 728762 |

#### Transmission Output Speed at Start of Transmission Shift - Powertrain D6N (NJN00111)

| rpm                               | <(-1600) | (-1600)-<br>(-1401) | (-1400)-<br>(-1201) | (-1200)-<br>(-1) | 0-999 | 1000-<br>1199 | 1200-<br>1300 | >1300 | Total |
|-----------------------------------|----------|---------------------|---------------------|------------------|-------|---------------|---------------|-------|-------|
| Transmi<br>ssion<br>Gear<br>Shift |          |                     |                     |                  |       |               |               |       |       |
| N-F                               | 2        | 30                  | 400                 | 25871            | 9131  | 6             | 1             | 2     | 35443 |
| N-R                               | 8        | 4                   | 5                   | 1440             | 26169 | 27            | 0             | 6     | 27659 |
| F-R                               | 0        | 0                   | 0                   | 12               | 11858 | 482           | 4             | 0     | 12356 |
| R-F                               | 0        | 10                  | 219                 | 4459             | 145   | 0             | 0             | 1     | 4834  |
| Total                             | 10       | 44                  | 624                 | 31782            | 47303 | 515           | 5             | 9     | 80292 |

Job:Accumulated Time vs Transmission Output Speed And Transmission Input Torque -

### Powertrain D6N (NJN00111)

| rpm             | <(-3500) | (-3500)-(-2776) | (-2775)-(-2001) | (-2000)-(-1001) | (-1000)-(-1) | 0-999 | 1000-1599 | 1600-2199 | 2200-2800 |
|-----------------|----------|-----------------|-----------------|-----------------|--------------|-------|-----------|-----------|-----------|
| lb-ft           |          |                 |                 |                 |              |       |           |           |           |
| <(-2508)        | 0.00     | 0.00            | 0.00            | 0.00            | 0.00         | 0.00  | 0.00      | 0.00      | 0.00      |
| (-2508)-(-1476) | 0.00     | 0.00            | 0.00            | 0.00            | 0.00         | 0.00  | 0.00      | 0.00      | 0.00      |
| (-1475)-(-739)  | 0.00     | 0.00            | 0.00            | 0.00            | 0.00         | 0.00  | 0.00      | 0.00      | 0.00      |
| (-738)-(-1)     | 0.00     | 0.00            | 0.00            | 1.15            | 1.70         | 2.10  | 0.20      | 0.00      | 0.00      |
| 0-1105          | 0.00     | 0.00            | 0.00            | 8.15            | 35.25        | 80.30 | 2.35      | 0.05      | 0.00      |
| 1106-2212       | 0.00     | 0.00            | 0.00            | 0.00            | 0.00         | 0.40  | 0.00      | 0.00      | 0.00      |
| 2213-3172       | 0.00     | 0.00            | 0.00            | 0.00            | 0.00         | 0.00  | 0.00      | 0.00      | 0.00      |
| >3172           | 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            | 9.30            | 36.95        | 82.80 | 2.55      | 0.05      | 0.00      |

### Job:Accumulated Time vs Transmission Output Speed And Transmission Input Torque - Powertrain D6N (NJN00111)

| rpm             | >2800 | Total  |
|-----------------|-------|--------|
| lb-ft           |       |        |
| <(-2508)        | 0.00  | 0.00   |
| (-2508)-(-1476) | 0.00  | 0.00   |
| (-1475)-(-739)  | 0.00  | 0.00   |
| (-738)-(-1)     | 0.00  | 5.15   |
| 0-1105          | 0.00  | 126.10 |
| 1106-2212       | 0.00  | 0.40   |
| 2213-3172       | 0.00  | 0.00   |
| >3172           | 0.00  | 0.00   |
| Total           | 0.00  | 131.65 |

### Implement D6N (NJN00111)

| Parameter                   | Value                  |
|-----------------------------|------------------------|
| Product ID                  | NJN00111               |
| Equipment ID                | D6N                    |
| ECM Part Number             | 3656773-04             |
| ECM Serial Number           | 14666318VD             |
| Software Group Part Number  | 5358929-00             |
| Software Group Release Date | MAR2017                |
| Software Group Description  | D6N T4F Implement Ctrl |

### Logged Diagnostic Codes [Diagnostic Clock = 3750 hours] - Implement D6N (NJN00111)

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

**Logged Event Codes [Diagnostic Clock = 3750 hours] - Implement D6N (NJN00111)**

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

**Active Diagnostic Codes - Implement D6N (NJN00111)**

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

**Active Event Codes - Implement D6N (NJN00111)**

| Code             | Description |
|------------------|-------------|
| No Active Events |             |

**System Communication Status - Active Problems - Implement D6N (NJN00111)**

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

**System Communication Status - Inactive Problems - Implement D6N (NJN00111)**

| ECMs                                                                    | Detected Problem                                                    | Data Link | Diagnostic Information                                     |
|-------------------------------------------------------------------------|---------------------------------------------------------------------|-----------|------------------------------------------------------------|
| Device 1: Implement D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #1  | Diagnostic Code: 247-9 - Service Hour Meter: 3749:57:10 -  |
| Device 1: Implement D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #1  | Diagnostic Code: 247-9 - Service Hour Meter: 3749:57:10 -  |
| Device 1: Implement D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #1  | Diagnostic Code: 247-9 - Service Hour Meter: 3749:57:10 -  |
| Device 1: Implement D6N (NJN00111) - Device 2: Pitch Rate Sensor        | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #4  | Diagnostic Code: 5857-9 - Service Hour Meter: 3742:30:31 - |
| Device 1: Implement D6N (NJN00111) - Device 2: Pitch Rate Sensor        | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #4  | Diagnostic Code: 5857-9 - Service Hour Meter: 3742:31:55 - |
| Device 1: Implement D6N (NJN00111) - Device 2: Pitch Rate Sensor        | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #4  | Diagnostic Code: 5857-9 - Service Hour Meter: 3742:32:17 - |
| Device 1: Implement D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #2  | Diagnostic Code: 2348-9 - Service Hour Meter: 3749:57:10 - |
| Device 1: Implement D6N (NJN00111) - Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #2  | Diagnostic Code: 2348-9 - Service Hour Meter: 3749:57:10 - |

|                                                                            |                                                                     |          |                                                            |
|----------------------------------------------------------------------------|---------------------------------------------------------------------|----------|------------------------------------------------------------|
| Device 1: Implement D6N (NJN00111) -<br>Device 2: Engine #1 Control Module | Device #1 is unable to communicate with Device #2 on the data link. | J1939 #2 | Diagnostic Code: 2348-9 - Service Hour Meter: 3749:57:10 - |
|----------------------------------------------------------------------------|---------------------------------------------------------------------|----------|------------------------------------------------------------|

### Configuration - Implement D6N (NJN00111)

| Description                                                | Value                  | Unit |
|------------------------------------------------------------|------------------------|------|
| Equipment ID                                               | D6N                    |      |
| Blade Installation Status                                  | Power Angle Tilt Blade |      |
| Blade Control Response Configuration                       | Standard               |      |
| Stable Blade Control Installation Status                   | Installed              |      |
| Rear Attachment Installation Status                        | Single Axis Ripper     |      |
| Air Conditioning System Installation Status                | Installed              |      |
| Undercarriage Length Configuration                         | Standard               |      |
| AccuGrade System Installation Status                       | Installed              |      |
| AccuGrade Enable Configuration                             | Automatic Detection    |      |
| Slope Assist Installation Status                           | Not Installed          |      |
| Work Monitor Aggressiveness Adjustment                     | 0                      |      |
| Grade Control System Installation Status                   | Not Installed          |      |
| Grade Control System Temporary Installation Status         | Not Installed          |      |
| Grade Control System Temporary Installation Time Remaining | 6000                   | min  |
| Machine Pitch Calibration Offset                           | 0.000                  | Deg  |
| Machine Roll Calibration Offset                            | 0.000                  | Deg  |
| Machine Yaw Calibration Offset                             | 0.000                  | Deg  |
| Blade Lower Solenoid Maximum Current                       | 1.232                  | Amps |
| Blade Lower Solenoid Minimum Current                       | 0.687                  | Amps |
| Blade Raise Solenoid Maximum Current                       | 1.430                  | Amps |
| Blade Raise Solenoid Minimum Current                       | 0.710                  | Amps |
| Tilt Right Solenoid Maximum Current                        | 1.589                  | Amps |
| Tilt Right Solenoid Start Current                          | 0.738                  | Amps |
| Tilt Left Solenoid Maximum Current                         | 1.582                  | Amps |
| Tilt Left Solenoid Start Current                           | 0.751                  | Amps |
| Blade Angle Right Solenoid Maximum Current                 | 1.548                  | Amps |
| Blade Angle Right Solenoid Minimum Current                 | 0.743                  | Amps |
| Blade Angle Left Solenoid Maximum Current                  | 1.582                  | Amps |
| Blade Angle Left Solenoid Minimum Current                  | 0.745                  | Amps |
| Auxiliary Valve #1 Port A Solenoid Maximum Current         | 1.611                  | Amps |
| Auxiliary Valve #1 Port A Solenoid Minimum Current         | 0.860                  | Amps |
| Auxiliary Valve #1 Port B Solenoid Maximum Current         | 1.620                  | Amps |
| Auxiliary Valve #1 Port B Solenoid Minimum Current         | 0.870                  | Amps |
| Total Tattletale                                           | 0                      |      |

## Calibration Status - Implement D6N (NJN00111)

| Calibration                        | Status  | Last Successful Completion |
|------------------------------------|---------|----------------------------|
| Blade Control Handle Thumb Rocker  | Success | 0.0 hours                  |
| Blade Control Lever                | Success | 0.0 hours                  |
| Blade Tilt Left Solenoid           | Success | 0.4 hours                  |
| Blade Tilt Right Solenoid          | Success | 0.4 hours                  |
| Blade Lower Solenoid               | Success | 0.2 hours                  |
| Blade Raise Solenoid               | Success | 0.2 hours                  |
| Blade Angle Right Solenoid         | Success | 0.4 hours                  |
| Blade Angle Left Solenoid          | Success | 0.4 hours                  |
| Auxiliary Valve #1 Port B Solenoid | Success | 0.5 hours                  |
| Auxiliary Valve #1 Port A Solenoid | Success | 0.4 hours                  |

## Histogram - Implement D6N (NJN00111)

No Histogram data available

## Hour Meter

| Parameter                   | Value      |
|-----------------------------|------------|
| ECM Part Number             | 3637544-00 |
| ECM Serial Number           | 0286D046MY |
| Software Group Part Number  | 4614234-00 |
| Software Group Release Date | JUN2014    |
| Software Group Description  | Hour Meter |

## Diesel Exhaust Fluid Controller #1

| Parameter                                         | Value      |
|---------------------------------------------------|------------|
| Aftertreatment #1 DEF Dosing System Serial Number | PET062036T |
| Application Software Part Number                  | 5077605-00 |

## Configuration - Diesel Exhaust Fluid Controller #1

| Description                                       | Value      | Unit |
|---------------------------------------------------|------------|------|
| Aftertreatment #1 DEF Dosing System Serial Number | PET062036T |      |
| Application Software Part Number                  | 5077605-00 |      |

## Display

| Parameter                   | Value           |
|-----------------------------|-----------------|
| ECM Part Number             | 4649981.02      |
| ECM Serial Number           | 1776D011XN      |
| Software Group Part Number  | 5002737-00      |
| Software Group Release Date | SEP2015         |
| Software Group Description  | Premium Display |