

Part 565, VIN SUBMISSION

**Nor-Tech Fabrication LLC
2510 Talley Way
Kelso, WA 98625**

May 14, 2008

Administrator
U.S. DOT/NHTSA
1200 New Jersey Avenue SE W43-488
Washington, DC 20590

Subject: VIN Decoding information for Nor-Tech Fabrication LLC

In accordance with 565.7 CFR Part 565 Nor-Tech Fabrication hereby submits Vehicle Identification Number (VIN) decoding information.

**Nor-Tech Fabrication LLC
Vehicle Identification Number (VIN) Program**

| 1 | | | 2 | | | | | 3 | 4 | | | | | | | | |
|----------|---|---|-------------|---|---|---|---|----|----|----|----------|----|----|----------|----|----|--|
| WMI CODE | | | DESCRIPTORS | | | | | CD | | | WMI CODE | | | SEQUENCE | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | |
| 1 | N | 9 | | | | | | | | | 2 | 8 | 5 | | | | |

Section 1 **Nor-Tech Fabrication**
Character 1 1 permanent WMI code
Character 2 N permanent WMI code
Character 3 9 permanent WMI code

Section 2 **Vehicle Description Section**
Character 4 Type of Trailer
 (B = Belly Dump / P = Pup / C = Carrier / T = Transfer / M = Other)
Character 5 Series or Body Type
 (A = Aluminum / S = Steel)
Character 6 Length in Feet (first of two length digits)
Character 7 Length in Feet (second of two length digits)
Character 8 Number of Axles

Section 3 **Check Digit**
Character 9 (See Check Digit Calculation Table)

Section 4 **Manufacture / Production Identifiers**
Character 10 Model Year (See Model Year Table)
Character 11 Plant
 (K = Kelso, WA Nor-Tech Fabrication Plant)
Character 12 permanent WMI code
Character 13 permanent WMI code
Character 14 permanent WMI code
Character 15 Sequential Production Number
Character 16 Sequential Production Number
Character 17 Sequential Production Number

| 1 | | | 2 | | | | | 3 | | 4 | | | | | | |
|---|---|---|-------------|-----------------------|---|---|----|----------------------|----|----|----|-----------------------|----------|----|----|----|
| WMI CODE | | | DESCRIPTORS | | | | | CD | | | | | WMI CODE | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 1 | N | 9 | | | | | | | | | 2 | 8 | 5 | | | |
| Alphabetic to Numeric Conversions | | | | | | | | | | | | | | | | |
| X Multiplier (multiply each character by the multiplier below) | | | | | | | | | | | | | | | | |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 10 | 0 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 |
| Total (carry the calculation total from your multiplication down) | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Add the values from the above row to calculate your SUM | | | | | | | | | | | | | = | | | |
| Divide the SUM by 11 | | | | | | | | | | | | | = | | | |
| Whole number portion of calculation result | | | | | | | | | | | | | = | | | |
| Decimal portion of calculation result | | | | | | | | | | | | | = | | | |
| Check Digit Conversion Values | | | | | | | | | | | | | | | | |
| If Decimal is | | | | Check Digit is | | | | If Decimal is | | | | Check Digit is | | | | |
| 09 | = | | | 1 | | | | 54 | = | | | 6 | | | | |
| 18 | = | | | 2 | | | | 63 | = | | | 7 | | | | |
| 27 | = | | | 3 | | | | 72 | = | | | 8 | | | | |
| 36 | = | | | 4 | | | | 81 | = | | | 9 | | | | |
| 45 | = | | | 5 | | | | 90 | = | | | X | | | | |
| | | | | | | | | 00 | = | | | 0 | | | | |
| Alphabetic to Numeric Conversion Values | | | | | | | | | | | | | | | | |
| A=1 B=2 C=3 D=4 E=5 F=6 G=7 H=8 J=1 K=2 L=3 M=4 | | | | | | | | | | | | | | | | |
| N=5 P=7 R=9 S=2 T=3 U=4 V=5 W=6 X=7 Y=8 Z=9 | | | | | | | | | | | | | | | | |
| Model Year Conversion Values | | | | | | | | | | | | | | | | |
| 1985 = F 1986=G 1987=H 1988=J 1989=K 1990=L 1991=M 1992=N 1993=P | | | | | | | | | | | | | | | | |
| 1994=R 1995=S 1996=T 1997=V 1998=W 1999=X 2000=Y 2001=1 2002=2 | | | | | | | | | | | | | | | | |
| 2003=3 2004=4 2005=5 2006=6 2007=7 2008=8 2009=9 2010=A 2011=B | | | | | | | | | | | | | | | | |
| 2012=C 2013=D 2014=E | | | | | | | | | | | | | | | | |

Example for determining numeric conversion row to calculate Check Digit:

Nor-Tech Fabrication builds a 2008 model year, aluminum, 4 axle pup trailer for a customer at it's Kelso plant location that is 58 feet in length. The VIN Characters for the first trailer produced of this type would appear as following.

- Character 1 1 Permanent WMI Code 1
- Character 2 5 Permanent WMI Code N (Numeric Conversion = 5)
- Character 3 9 Permanent WMI Code 9
- Character 4 7 Type of Trailer is P (Numeric Conversion= 7)
- Character 5 1 Series Type is A for Aluminum (Numeric Conversion = 1)
- Character 6 5 First digit of 58 foot length of trailer
- Character 7 8 Second digit of 58 foot length of trailer
- Character 8 4 Four represents the number of axles
- Character 9 Check Digit Calculation
- Character 10 8 Model Year 2008 = 8
- Character 11 2 Kelso Plant = K, Numeric conversion for K = 2
- Character 12 2 Permanent WMI Code 2
- Character 13 8 Permanent WMI Code 8
- Character 14 5 Permanent WMI Code 5
- Character 15 0 First digit of a 001 production sequence
- Character 16 0 Second digit of a 001 production sequence
- Character 17 1 Third digit of a 001 production sequence

| 1 | | | 2 | | | | | 3 | 4 | | | | | | | |
|---|----|----|-------------|---|----|----|----|----|----------|----|----|----|--------------|----|----|----|
| WMI CODE | | | DESCRIPTORS | | | | | CD | WMI CODE | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 1 | N | 9 | P | A | 5 | 8 | 4 | | 8 | K | 2 | 8 | 5 | 0 | 0 | 1 |
| Alphabetic to Numeric Conversions | | | | | | | | | | | | | | | | |
| 1 | 5 | 9 | 7 | 1 | 5 | 8 | 4 | 0 | 8 | 2 | 2 | 8 | 5 | 0 | 0 | 1 |
| X Multiplier (multiply each character by the multiplier below) | | | | | | | | | | | | | | | | |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 10 | 0 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 |
| Total (carry the calculation total from your multiplication down) | | | | | | | | | | | | | | | | |
| 8 | 35 | 54 | 35 | 4 | 15 | 16 | 40 | 0 | 72 | 16 | 14 | 48 | 25 | 0 | 0 | 2 |
| Add the values from the above row to calculate your SUM | | | | | | | | | | | | | = 384 | | | |
| Divide the SUM by 11 | | | | | | | | | | | | | 34.90 | | | |
| Whole number portion of calculation result | | | | | | | | | | | | | 34 | | | |
| Decimal portion of calculation result | | | | | | | | | | | | | 90 | | | |
| Check Digit Conversion .90 = X | | | | | | | | | | | | | X | | | |
| Check Digit is X | | | | | | | | | | | | | | | | |