

Friday August 22, 2003

Docket: 01-022N11-B

<u>Comment Number</u>	<u>Date Received</u>	<u>Submitter/Firm/Subject</u>	<u>Pages</u>	<u>Date of Document</u>
08918	03/26/2003	SUZANNE K. PETERSON VICTORY MOTORCYCLE USA	3	07/15/2002
08919	03/26/2002	COUNTY ROAD TRAILERS	1	07/29/2002
08920	03/26/2002	THOMAS BUILT BUSES	2	00/00/0000
08921	03/26/2003	HYUNDAI AMERICA TECH. CENTER INC.	4	03/15/2001
08922	03/26/2003	STEVEN K. NORTHROP PHOENIX MOTORCARS INC.	4	07/15/2002
08923	03/26/2003	THE SHOLAR CO.	1	07/11/2002
08924	03/26/2003	M-B-W INC.	1	07/31/2002
08925	03/26/2003	DENNIS E. DONAT PACE AMERICAN INC.	2	07/17/2002
08926	03/26/2003	N. TODD KEMMERLY CRANE CARRIER COL	8	07/16/2002
08927	03/26/2003	T & D ENTERPRISE INC.	1	07/31/2002
08928	03/26/2003	BROWN & REESE ENTERPRISES INC.	1	07/30/2002
08929	03/26/2003	DONNA G. STEPHENS CAPITAL INDUSTRIAL SUPPLY INC.	4	07/10/2002
08930	03/26/2003	ROAD KING TRAILERS INC.	1	07/24/2002
08931	03/26/2003	STEEL PREP, LLC	1	12/18/2001
08932	03/26/2003	TJC INC.	1	10/02/2001
08933	03/26/2003	SHADDO INTERNATIONAL	1	01/01/2001
08934	03/26/2003	MIKE ANDERSON NU WA INDUSTRIES INC.	2	05/25/2001

CRANE CARRIER COMPANY

01-022-N11B-8926

July 16, 2002

**ORIGINAL**

Administrator  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Attention: VIN Coordinator



Gentlemen:

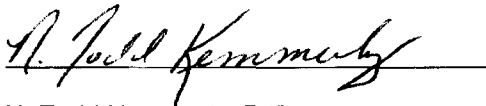
Enclosed is a copy of Crane Carrier Company's VIN decoding information, A305-120, Revision N.

We have located an error in our previously supplied documentation. A coding error in Table "A" began with A305-120 Revision K for the model years 2001 and 2002. The vehicle model codes found in Table A were incorrect. Table A has been corrected in Revision N to reflect the as-built vehicle models for the 2001 and 2002-year models. This is a paper change correction only and no changes are required to vehicles in the field.

Table "C" was also changed to identify additional engines for the 2003-year model. One engine has been added to the Caterpillar models and five engines added to the Cummins models in Table "C".

This will be used on our vehicles starting September 2, 2002.

Sincerely,



N. Todd Kemmerly, P.E.  
Director of Engineering

Encls.

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STANDARD - VEHICLE IDENTIFICATION NUMBER (VIN)

SUBJECT: Procedures for assigning "Federal" vehicle identification numbers (VIN) to Crane Carrier Company built trucks.

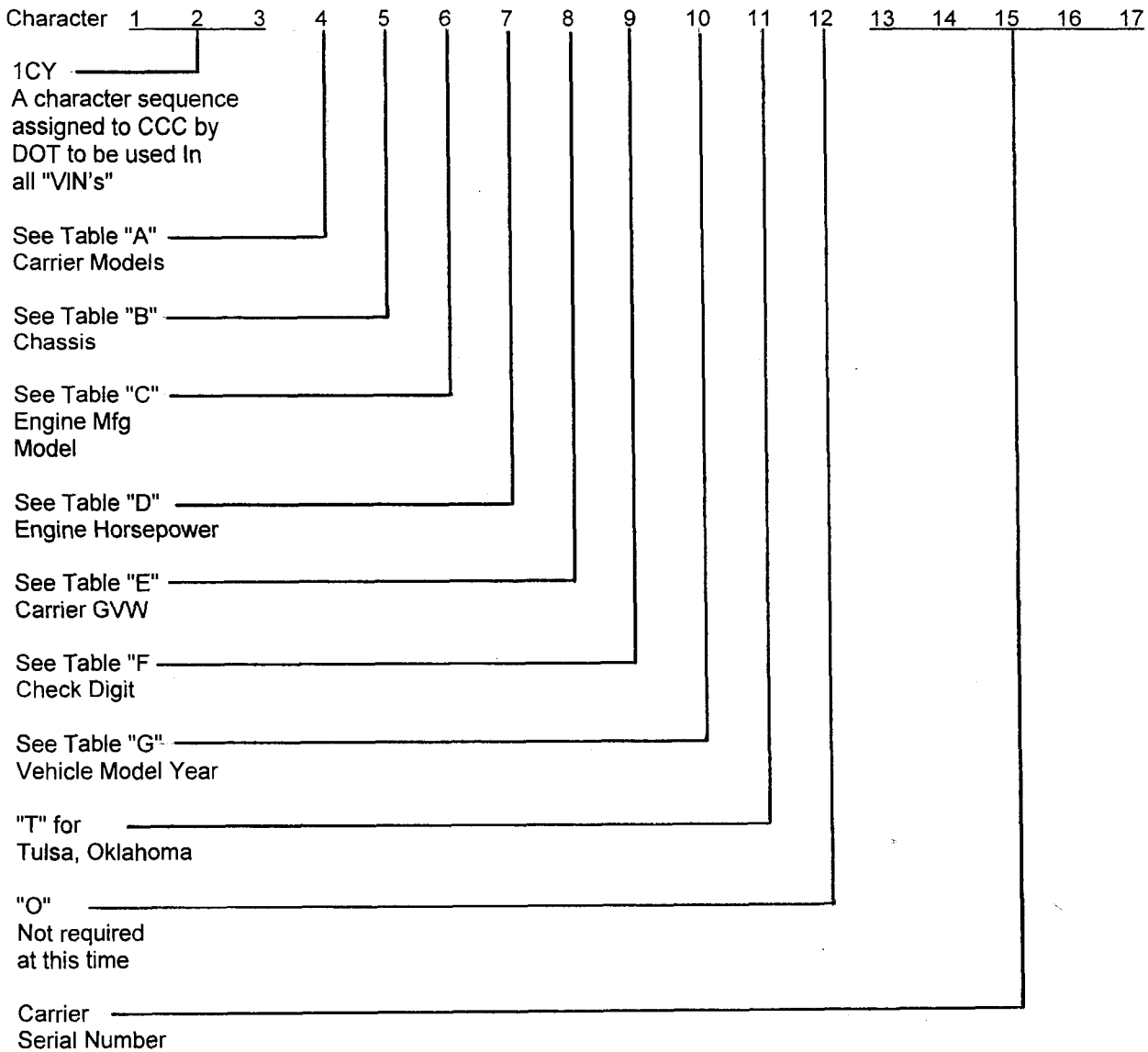
REF: Part 571.115, Standard No. 115 Federal Register and Part 565, VIN - Content Requirements

PURPOSE: To standardize on specific vehicle identification methods.

REQUIREMENTS:

1. All vehicles will have a "VIN" assigned by the manufacturer.
2. All numbers and letters may be used in the "VIN", except I, O, & Q. The minimum height is 3/32.
3. The number should be stamped on a label riveted to the inside of the L.H. cab door, and printed on the Manufacturer's Certificate of Origin.
4. The vehicle identification number consists of seventeen (17) significant characters. If all characters are not used, a zero (0) must be substituted so all spaces will be filled. The number will be assigned by the Engineering Department and referenced on the Carrier Line Set Ticket.

5. The number will be "made up" as Indicated In the following example:



NOTE: If carrier model is Glider Kit, characters 5 thru 8 are "X".

**Table "A"**

Model (w/Air Brakes, Diesel & Alternate Fueled Engines)	Code
Centurion (F/FT/LCF)	B
Low Entry (S/L//LT/LD/LW/LT2)	C
Drill Rig (DR/IR)	D
Equipment Carrier (Varies)	E
Glider Kit (GK)	K

**Table "B"**

Drive Configurations	Code
4 x 2	A
4 x 4	B
6 x 4	C
6 x 6	D
8 x 4	E
8 x 6	F
Other	G

Note: These drive configurations include only permanently mounted axle assemblies

**Table "C"**

Engine Models

CATERPILLAR	Code	CUMMINS	Code
3116/3126	A	B5.9/ISB	J
C-10	C	C8.3/ISC	K
C-12	D	ISL	L
		ISM	M
C-10 Bridge	E	ISB02	P
		ISM02	R
		QSB	S
		QSC	T
		C8.3G+	U
DDC Series 50	G		
JOHN DEERE 8.1L	N		

**Table "D"**

Engine Horsepower	Code
100 to 149	1
150 to 199	2
200 to 249	3
250 to 324	4
325 to 399	5
400 to 524	6
525 to 599	7

**Table "E"**

Carrier GVW	Code
Not greater than 3000 lbs.	A
3001 - 4000 lbs.	B
4001 - 5000 lbs.	C
5001 - 6000 lbs.	D
6001 - 7000 lbs.	E
7001 - 8000 lbs.	F
8001 - 9000 lbs.	G
9001 - 10,000 lbs.	H
10,001 - 14,000 lbs.	3
14,001 - 16,000 lbs.	4
16,001 - 19,500 lbs.	5
19,501 - 26,000 lbs.	6
26,001 - 33,000 lbs.	7
33,001 lbs. and over	8

**Table "F"**

S5.2 The check digit is determined by carrying out the mathematical computation specified in S5.2.1 - S5.2.4.

S5.2.1 Assign to each number in the vehicle identification number its actual mathematical value and assign to each letter the value specified for it in Table IV.

**Table IV**

A = 1	J = 1	T = 3
B = 2	K = 2	U = 4
C = 5	L = 3	V = 5
D = 4	M = 4	W = 6
E = 5	N = 5	X = 7
F = 6	P = 7	Y = 8
G = 7	R = 9	Z = 9
H = 8	S = 2	

S5.2.2 Multiply the assigned value for each character in the vehicle for each character in the vehicle identification number by the weight factor specified for it in Table V. Multiply the check digit by 0.

**Table V**

**Character and Weight Factor**

1st .....	8
2nd .....	7
3rd .....	6
4th .....	5
5th .....	4
6th .....	5
7th .....	2
8th .....	10
Check Digit .....	0
9th .....	9
10 <sup>th</sup> .....	8
11th .....	7
12th .....	6
13th .....	5
14th .....	4
15th .....	3
16th .....	2

55.2.2 Add the resulting products and divide the total by 11.

S5.2.4 The remainder is the check digit. If the remainder is 10, the check digit is X.

Table "G"

Vehicle Model Year

Year	Code
1980	A
1981	B
1982	C
1985	D
1984	E
1985	F
1986	G
1987	H
1988	J
1989	K
1990	L
1991	M
1992	N
1995	P
1994	R
1995	S
1996	T
1997	V
1998	W
1999	X
2000	Y
2001	1
2002	2
2005	3
2004	4
2005	5
2006	6
2007	7
2008	8
2009	9
2010	A
2011	B
2012	C



Example:

Vehicle Identification Number Character	1	G	4	A	H	5	9	H	4	5	G	1	1	8	3	4	1
Assigned Value	1	7	4	1	8	5	9	8	4	5	7	1	1	8	3	4	1
Multiply by Weight Factor	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
Add Products	8+49 +24 +5 + 32+15 +18+ 80 +0 45 +56 + 7 + 6 +40 +12 +12 + 2 = 411																
Divide by 11	411/11 = 37 4/11																
Check Digit	4 (compare to character in 9th position)																

ORIGINAL RELEASE 07/03/1980 CRM  
REVISION A 49252 11/19/1981 CRM  
REVISION B 53767 07/08/1986 KLL  
REVISION C 55244 08/24/1988 KLL  
REVISION D 56197 08/14/1989 KLL  
REVISION E 56331 09/20/1989 KLL  
REVISION F 57792 09/24/1990 KLL  
REVISION G 59481 02/28/1992 KLL  
REVISION H 64590 12/01/1992 KLL  
REVISION I 65842 08/17/1993 KLL  
REVISION J 72567 08/30/1996 KLL  
REVISION K 80755 08/23/2000 KLL  
REVISION L 81243 01/09/2001 KLL  
REVISION M 82161 09/13/2001 KLL  
REVISION N 83110 07/16/2002 NTK

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