

ORG 8011



July 31, 2012

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

Attention: VIN Coordinator

Gentlemen and Ladies,

Enclosed is a copy of Crane Carrier Company's VIN decoding information, A305-0120, Revision Z, identifying Crane Carrier product offerings.

This VIN standard is used on our vehicles starting September 1, 2012.

Sincerely,

A handwritten signature in black ink, appearing to read 'RHugger', is written over the typed name.

Richard A. Hugger
Director of Engineering
Crane Carrier Company

RAH/tm

Encls: A305-0120 Rev Z

1925 N. SHERIDAN RD. * TULSA, OK 74115 * 918-836-1651

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 our 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 "created" as indicated in the following example:

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1CY																	
A character sequence assigned to CCC by DOT to be used in all VINs																	
See Table "A" Carrier Models																	
See Table "B" Chassis																	
See Table "C" Engine Mfg Model																	
See Table "D" Engine Horsepower																	
See Table "E" Carrier GVW																	
See Table "F" Check Digit																	
See Table "G" Vehicle Model Year																	
"T" for Tulsa, Oklahoma																	
"O"																	
Not required at this time																	
Carrier Serial Number																	

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

Table "A"

Model (w/Air Brakes, Diesel & Alternate Fueled Engines)	Code
Century III (M)	A
Centurion (COE2)	B
Low Entry (LD2/LT2/ST2/SD2)	C
Drill Rig (DR/WS)	D
Equipment Carrier (Varies)	E
Glider Kit (GK)	K

Table "B"

Drive Configurations	Code
4 x 2	A
4 x 4	B
6 x 2	L
6 x 4	C
6 x 6	D
8 x 4	E
8 x 6	F
10 x 4	J
10 x 6	G
12 x 6	K
Other	H
Glider Kit	X

Note: These drive configurations Include only permanently mounted axle assemblies

Table "C"**Engine Models**

	Code		Code
<u>CATERPILLAR</u>		<u>CUMMINS</u>	
C-11	H	ISC	K
C-13	V	ISL	L
C-15	C	ISM	M
C-18	G	ISX15	P
		ISL G	Z
		QSL	S
		QSC	T
		QSX	U
<u>DETROIT DIESEL</u>		QSM	R
Series 60	W	B Gas Plus	N
Series 2000	Y	ISX11.9	E
<u>GLIDER KIT</u>	X	ISX12	F
		QSB	D

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
600 to 699	8
700 to 1000	9
Glider Kit	X

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
Glider Kit	X

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 = 3	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	3
7th	2
8th	10
9th (Check Digit)	0
10th	9
11th	8
12th	7
13th	6
14th	5
15th	4
16th	3
17th	2

S5.2.3 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.