# 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,

Director of Engineering

Crane Carrier Company

RAH/tm

Encls: A305-0120 Rev Z

#### STANDARD - VEHICLE IDENTIFICATION NUMBER (VIN)

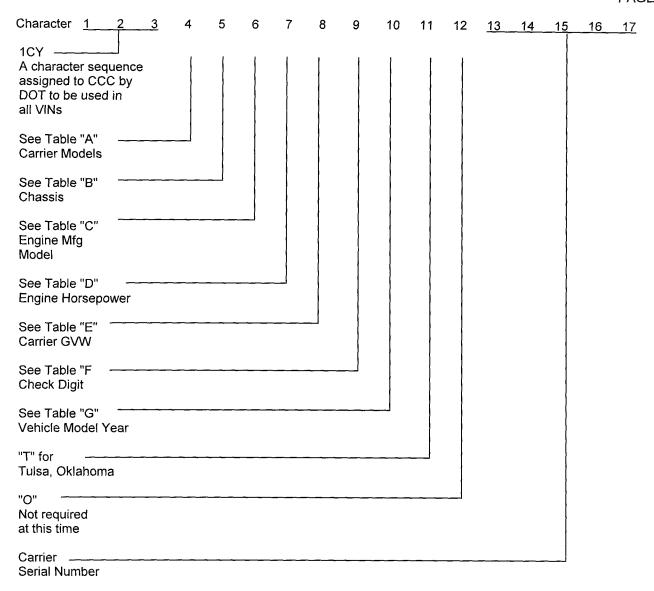
SUBJECT: Procedures for assigning "Federal" vehicle identification numbers (VIN) to Crane Carrier Company built trucks.

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:



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

# Table "A"

Model (w/Air Brakes, Diesel & Alternate Fueled Engine	es) Code
Century III (M) Centurion (COE2) Low Entry (LD2/LT2/ST2/SD2) Drill Rig (DR/WS) Equipment Carrier (Varies) Glider Kit (GK)	B C D E
Ta	able "B"
Drive Configurations	Code
4 x 2 4 x 4 6 x 2 6 x 4 6 x 6 8 x 4 8 x 6 10 x 4 10 x 6 12 x 6 Other Glider Kit	B L C D E F J G K H

Note: These drive configurations Include only permanently mounted axle assemblies

# Table "C"

# **Engine Models**

	Code		Code
CATERPILLAR		CUMMINS	
C-11	V C	ISC	L M P Z S
DETROIT DIESEL Series 60	W	QSX	U
Series 2000		B Gas Plus	N
GLIDER KIT	X	ISX12 QSB	F

# Table "D"

Engine Horsepower	Code
100 to 149	2
200 to 249	4
400 to 524	
600 to 699	8
Glider Kit	

# Table "E"

Carrier GVW	Code
Not greater than 3000 lbs.	
3001 - 4000 lbs	
4001 - 5000 lbs	
5001 - 6000 lbs	
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	
16,001 - 19,500 lbs	5
19,501 - 26,000 lbs	6
26,001 - 33,000 lbs	7
33,001 lbs. and over	
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.

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т.	ᄂ	_	IN A
ıа	r H	e	I٧

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	
3rd	6
4th	
5th	
6th	٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠
7th	
8th	
9th (Check Digit)	10
10th	0
11th	9
. —	
	6
	5
400	
	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.