

DESIGN ENGINEERING

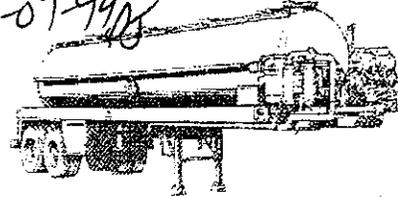


THOMPSON TANK, INC.

P.O. Box 790

Lakewood, CA 90714-0790

Phone: 310-763-1540 Fax: 310-763-0009



DOT INSPECTIONS

265 B  
truck  
example VIN

01-22-N11B-5770

ORIGINAL

August 22, 1994  
REF: 21:08:94

9P.

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

Gentlemen:

Enclosed is the information necessary to decipher the characters contained in our Vehicle Identification Numbers. Also enclosed is a copy of the letter from S.A.E. assigning us our World Maker Identifier Code.

If there are any questions or suggestions please contact Mr. Dave Thompson at (800) 421-7545. We manufacture less than 500 trailers annually.

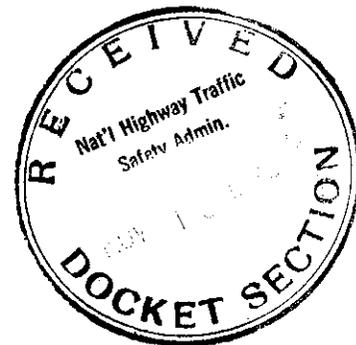
Best regards,

THOMPSON TANK, INC.

David L. Thompson  
General Manager

DLT:saa  
WP51\GOVERNWA\210894

Enclosures



Shipping Address: 5415 MARTIN LUTHER KING JR. BLVD. LYNWOOD, CA 90262

400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096-0001 U.S.A.  
(412) 776-4841 FAX NO. (412) 776-5760

CABLE ADDRESS: SOCAUTOENG, PA  
TELEX NO. 866-355

August 23, 1994

Deann Watson  
Thompson Tank, Inc.  
5415 Martin Luther King Jr. Blvd.  
Lynwood, CA 90262

Dear Ms. Watson:

This letter confirms our telephone conversation of August 22, 1994 regarding the assignment of a World Manufacturer (Maker) Identifier (WMI) Code. As the agent of the NHTSA for the assignment of manufacturer identifiers pursuant to CFR 49 Part 565.5C Vehicle Identification Number (VIN), we hereby confirm the following code:

Thompson Tank, Inc.  
5415 Martin Luther King Jr. Blvd.  
Lynwood, CA 90262  
United States

1 T 9 with the 12, 13, and 14th,  
characters of the WMI Code  
to be 4 0 5

Tank/Trailers

Sincerely,



Cathy Douds  
WMI Coordinator

CD:yms

Enclosure

cc: P. Johnson  
M. Nantais

WORLD MAKER IDENTIFIER - ASSIGNED	1	1	1	8	8
WORLD MAKER IDENTIFIER - ASSIGNED	2	T	3	7	21
WORLD MAKER IDENTIFIER - ASSIGNED	3	9	9	6	54
TYPE OF TRAILER _____	4			5	
BODY TYPE _____	5			4	
LENGTH _____	6			3	
LENGTH <u>SHELL LENGTH - FEET</u> _____	7			2	
NUMBER OF AXLES _____	8			10	
CHECK DIGIT _____	9			0	0
MODEL YEAR _____	10			9	
PLANT OF MANUFACTURE _____	11	1	1	8	8
WORLD MAKER IDENTIFIER - ASSIGNED	12	4	4	7	28
WORLD MAKER IDENTIFIER - ASSIGNED	13	0	0	6	0
WORLD MAKER IDENTIFIER - ASSIGNED	14	5	5	5	25
PRODUCTION SEQUENCE <u>LAST THREE</u> _____	15			4	
PRODUCTION SEQUENCE <u>DIGITS OF</u> _____	16			3	
PRODUCTION SEQUENCE <u>ASME NO.</u> _____	17			2	
VIN NUMBER CHARACTER _____					÷ 11
ASSIGNED VALUE _____					
MULTIPLY BY WEIGHT FACTOR _____					
CHECK DIGIT = REMAINDER AFTER TOTAL IS DIVIDED BY 11 (IF CHECK DIGIT IS 10 USE "X")					

DIGIT NUMBER 4 - TYPE OF TRAILER

<u>CODE</u>	<u>TYPE OF TRAILER</u>
T	TANK TRUCK TRAILER

11 | \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 3

DIGIT NO. 5 - BODY TYPE

<u>CODE</u>	<u>BODY TYPE</u>	<u>CODE</u>	<u>BODY TYPE</u>
A	NON-CODE	G	DOT 406
B	MC-306	H	DOT 407
C	MC-307	J	DOT 412
D	MC-312	K	DOT 407/412
E	EXEMPTION	L	_____
F	MC-307/MC-312	M	_____

DIGITS NO. 6 and 7 - LENGTH

DEFINITION: SHELL LENGTH ROUNDED TO THE LARGER LENGTH IN FEET

DIGIT NO. 8 - NUMBER OF AXLES

<u>CODE</u>	<u>NUMBER OF AXLES</u>
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	0
11	A
12	B
13	C

DIGIT NO. 10 - MODEL YEAR

DEFINITION: CALENDAR YEAR

DIGIT NO. 11 - PLANT OF MANUFACTURE

<u>CODE</u>	<u>PLANT OF MANUFACTURE</u>
1	<del>LONG BEACH PLANT</del> <i>Lynwood</i>

DIGITS NO. 15, 16 and 17 - PRODUCTION SEQUENCE

DEFINITION: LAST THREE DIGITS OF A.S.M.E. OR MANUFACTURERS SERIAL NUMBER ASSIGNED ON RECEIPT OF ORDER

4

WORLD MAKER IDENTIFIER - ASSIGNED 1  
 WORLD MAKER IDENTIFIER - ASSIGNED 2  
 WORLD MAKER IDENTIFIER - ASSIGNED 3  
 TYPE OF TRAILER \_\_\_\_\_ 4  
 BODY TYPE \_\_\_\_\_ 5  
 LENGTH \_\_\_\_\_ 6  
 LENGTH SHELL LENGTH - FEET \_\_\_\_\_ 7  
 NUMBER OF AXLES \_\_\_\_\_ 8  
 CHECK DIGIT \_\_\_\_\_ 9  
 MODEL YEAR \_\_\_\_\_ 10  
 PLANT OF MANUFACTURE \_\_\_\_\_ 11  
 WORLD MAKER IDENTIFIER - ASSIGNED 12  
 WORLD MAKER IDENTIFIER - ASSIGNED 13  
 WORLD MAKER IDENTIFIER - ASSIGNED 14  
 PRODUCTION SEQUENCE LAST THREE 15  
 PRODUCTION SEQUENCE DIGITS OF 16  
 PRODUCTION SEQUENCE ASME NO. 17

1	1	1	8	8
T	T	3	7	21
9	9	9	6	54
T	3	5		15
F	6	4		24
3	3	3		9
8	8	2		16
2	2	10		20
5	3	0		0
R	9	9		81
1	1	8		8
4	4	7		28
0	0	6		0
5	5	5		25
3	3	4		12
7	7	3		21
2	2	2		4
				346
				÷ 11
				3

VIN NUMBER CHARACTER \_\_\_\_\_

ASSIGNED VALUE \_\_\_\_\_

MULTIPLY BY WEIGHT FACTOR \_\_\_\_\_

CHECK DIGIT = REMAINDER AFTER TOTAL IS DIVIDED BY 11  
 (IF CHECK DIGIT IS 10 USE "X")

DIGIT NUMBER 4 - TYPE OF TRAILER

<u>CODE</u>	<u>TYPE OF TRAILER</u>
T	TANK TRUCK TRAILER

11 346  
341  
5

5

**9.0 LOCATION AND LETTERING:**

**9.1 Location**

The VIN shall appear upon either a part of the trailer that is not designed to be removed except for repair or upon a separate plate or label which is permanently affixed to such a part. A specific location for the VIN label has not been designated by NHTSA. The VIN may be on a separate label or may be included in an existing label, such as the certification label.

**9.2 Hidden VIN**

Although there is no legal requirement to hide a VIN or partial VIN number within the trailer structure, most trailer manufacturers do so to assist law enforcement agencies in identifying stolen trailers.

The location of the hidden VIN or partial VIN number may only be obtained from the trailer manufacturer and is not available from the Truck Trailer Manufacturers Association.

**9.3 Character Type:**

The VIN shall consist of a series of one of the arabic numbers and capital roman letters sans serif (without any of the short lines stemming from and at an angle to the upper and lower ends of the strokes of a letter, See Sketch) as set forth below:

**Numbers**

1 2 3 4 5 6 7 8 9 0

**SANS SERIF**

**SERIF**

**Letters**

A B C D E F G H J K L M N P R S T U V W X Y Z

(Note: Letters I, O, and Q are not permitted)

**9.4 Character Size:**

NHTSA does not specify the height of characters used in the VIN. If the VIN is included in the certification label, 49 CFR 567.4 (g) specifies that the characters must be a minimum of 3/32 inches in height.

**9.5 Format:**

The VIN characters may be displayed in one or more lines and all spaces provided for in the vehicle identification number must be occupied by a character. If a space is not utilized, it is suggested that it be filled with the number "0." The space can, however, be filled with any approved letter or number listed in Section 9.3. A space may be placed between sections if desired.

Using the previous arbitrary and assumed codes, the VDS of VB110 describes a dry freight van truck trailer, at least 27 feet but less than 27 feet six inches long, with smooth sides of aluminum, and with one axle. The VDS of TBB30 describes a commercial MC 307 stainless steel tank truck trailer 42 feet long, with a capacity of at least 8000 gallons but less than 9000 gallons, and tandem axles. Both VDS codes describe the minimum requirements of type of trailer, body type, length, and number of axles. The VDS in addition includes information which may be of value to the manufacturer with regard to marketing and warranty.

### 13.5 Example VDS Codes:

13.5.1 These codes are examples of codes which may be used but are not necessarily recommended.

#### 13.5.2 Truck Trailer Body Type:

BODY TYPE	CODE
Auto Transporter	A
Dry Bulk	B
Container Chassis	C
Dump	D
Drop Frame	E
Flatbed (platform)	F
Heavy Hauler (Lowbed)	H
Dolly	J
Livestock	L
Pole	P
Refrigerated	R
Special	S
Tank	T
Open Top	U
Dry Freight Van	V
Warehouse Van	W
TOFC Dry Freight Van	Z

#### 13.5.3 Length

13.5.3.1 The length should be rounded to the nearest foot and if 6 inches, rounded to the larger length in feet. For example if a trailer is 39 feet 6 inches, it should receive the code for 40 feet.

13.5.3.2 The length of a full trailer should not include the drawbar.

13.5.3.3 Refrigeration units should not be included in the length.

13.5.3.4 Extendable trailers should use the closed length.

13.5.3.5 The length of dollies should include the distance from the centerline of the fifth wheel to the centerline of the drawbar eye.

7

14.0 CHECK DIGIT (THIRD) SECTION CODE:

14.1 Content:

The check digit code is assigned per 49 CFR 565.4(c).

The check digit's purpose is to provide a means for verifying the accuracy of any VIN transcription. After all other characters in VIN have been determined by the manufacturer, the check digit shall be calculated by carrying out the mathematical computation specified as follows:

- (1) Assign to each number in the VIN its actual mathematical value and assign to each letter the value specified for it in Table III.

**Table III.—Assigned Values**

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	

- (2) Multiply the assigned value for each character in the VIN by the position weight factor specified in Table IV.

**Table IV.—VIN Position and Weight Factor**

1st .....	8	10th .....	9
2d .....	7	11th .....	8
3d .....	6	12th .....	7
4th .....	5	13th .....	6
5th .....	4	14th .....	5
6th .....	3	15th .....	4
7th .....	2	16th .....	3
8th .....	10	17th .....	2
9th (check digit) .....	0	.....	

8

15.2.8 The code for designating the model year is found in 49 CFR 565.4 (d) (1), which is reproduced below:

The first character of the fourth section shall represent the vehicle model year. The year shall be designated as indicated in Table VI.

TABLE VI

Year	Code	Year	Code
1980	A	1997	V
1981	B	1998	W
1982	C	1999	X
1983	D	2000	Y
1984	E	2001	1
1985	F	2002	2
1986	G	2003	3
1987	H	2004	4
1988	J	2005	5
1989	K	2006	6
1990	L	2007	7
1991	M	2008	8
1992	N	2009	9
1993	P	2010	A
1994	R	2011	B
1995	S	2012	C
1996	T	2013	D

15.3 Plant of Manufacture:

15.3.1 The second character of the fourth section shall represent the plant of manufacture.

15.3.2 The manufacturer is free to use his own code for each of his manufacturing plants. If a manufacturer has only one plant, he may use the plant-of-manufacture character to represent any information he chooses and inform NHTSA that any character in the plant-of-manufacture position represents his designated plant. For example:

CODE	PLANT
1	
2	
3	
4	
5	
6	Middle
7	City
8	Plant
9	
0	
A	
B	
C	

9