01-22-NIIB-1584

4/28 RM

B

6/29/84 EW

Process Engineering Inc.

March 9, 1984

ORIGINAL

RECEIVED
'84 JUL 18 AM 10:54
NHTSA
DOCKET
WASHINGTON, D.C. 20590

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

Attn: Mr. Nelson F. Erickson, VIN Coordinator

Ref: Decoding the characters in VIN

Dear Mr. Erickson:

Thank you for your assistance in constructing a format for Vehicle Identification Numbers.

In response to our letter of December 28, 1983 to NHTSA and a letter of December 21, 1983 to SAE, we have received a letter dated February 9th from SAE, confirming the World Manufacturers Identifier Code.

In accordance with the requirements of Federal Motor Vehicle Safety Standard 115, Paragraph S6, this letter deciphers the characters contained in the VIN assigned to Process Engineering Inc. as follows:

Section 1 - Digits 1 through 3: "1P9" (SAE assigned)

Section 2 - Digits 4 through 8: See attached sheet for Vehicle Description Section (VDS)

9th Digit: Check digit per S5 of FMVSS-115

Section 3 - Digits 10 through 17: As follows

10th Digit: Model year per S4.5.3.1 of FMVSS-115

11th Digit: "1" for PEI plant at Plaistow, NH

Digits 12 through 14: "064" (SAE assigned)

Digits 15 through 17: Sequential number of units manufactured in a calandar year

As per this rectified scheme of assigning VIN, we will be using the following numbers for our Model ST-205L semitrailers which we have built

CRYOGENIC DIVISION • FABRICATION DIVISION • EXPANSION JOINT DIVISION
P. O. BOX 467, PLAISTOW, N. H. 03865 • TEL. 603-382-6551 • TELEX: 94-7422

and shipped to Big Three Industries, Houston, Texas.

1P9-220R1-4-E1064001
1P9-220R1-6-E1064002
1P9-220R1-8-E1064003

A sample VIN calculation sheet for the first seminar is enclosed for your review and comments.

We are also planning to assign the following identification numbers to our stock semitrailers under construction:

1P9-220T2-8-E1064004
1P9-220T2-X-E1064005
1P9-210M1-0-E1064006
1P9-210M1-2-E1064007
1P9-21-M1-4-E1064008

Since September 1980, we have built and shipped various types of transport tanks and semitrailers for our different customers. Vehicle Identification Numbers on those tanks do not comply with the requirements of FMVSS-115.

We would appreciate your advice on this matter.

Sincerely,

Subhash Vaidya

Subhash Vaidya
Assistant Chief Design Engineer

Encl. Section 2 - VDS
VIN Calculation sheet dated 3/9/84 Sheet 1

cc: Society of Automotive Engineers
400 Commonwealth Avenue
Warrendale, PA 15096
Attn: WMI Coordinators

Mr. Kenneth L. Paul, Executive Vice President, PEI
Mr. Walter C. Nason, Chief Design Engineer, PEI
Mr. Ron Santos, Project Coordinator, PEI

BY: Sudhesh

DATE: 3/9/84

VIN CALCULATION SHEET

MODEL: ST-205L-VW

JOB NO.: C-51081

CUSTOMER: BIG THREE

	SAE.			VEHICLE TYPE	LENGTH FT	DOT SPEC CAPACITY GALLONS	MAT'L		CHECK DIGIT	MODEL YEAR	PLAISTOW N.H. PLANT	SAE			SEQUENTIAL NUMBER			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
VIN	1	F	9	2	2	0	R	1	4	E	1	0	6	4	0	0	1	VIN
VALUE "A"	1	7	9	2	2	0	9	1		5	1	0	6	4	0	0	1	VALUE "A"
MULTIPLIER "B"	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2	MULTIPLIER "B"
PRODUCT "A x B"	8	49	54	10	8	0	18	10	0	45	8	0	36	20	0	0	2	PRODUCT "A x B"

D = 111 E = 64

D + E = 175

$\Sigma A \times B / 11 = 24\frac{4}{11}$

CHECK DIGIT = 4

SECTION 2

VEHICLE DESCRIPTION SECTION - (VDS)

1 2 3 4 5

Vehicle Type

Truck Mounted Tank-3 axles — 1
Semi-Trailer-2 axles — 2
3 axles — 3
Flat Bed Trailer Mounted Tank
2 axles — 4
3 axles — 5
Flat Bed Trailer Mounted Converter
2 axles — 6
3 axles — 7
Goose Neck Trailer Mounted Tank
2 axles — 8
3 axles — 9
Goose Neck Trailer Mounted Converter
2 axles — A
3 axles — B

DOT Sec.

None — 0
MC-331 — 1
MC-338 — 2

Material

Inner Tank-Stainless Steel Jacket-Steel — 1
Inner Tank-Aluminum Jacket-Aluminum — 2
Inner Tank-Aluminum Jacket-Steel — 3

Length In Feet

Under 20' — A
20' — B
21' — C
22' — D
23' — E
24' — F
25' — G
26' — H
27' — J
28' — K
29' — L
30' — M
31' — N
32' — P
33' — R
34' — S
35' — T
36' — U
37' — V
38' — W
39' — X
40' — Y
41' — 1
42' — 2
43' — 3
44' — 4
45' — 5
46' — 6
47' — 7
48' — 8
49' — 9
Above 49' — 0

Capacity In U.S. Gallons

Up to 499 Gallons — A
500-999 " — B
1000-1499 " — C
1500-1999 " — D
2000-2499 " — E
2500-2999 " — F
3000-3499 " — G
3500-3999 " — H
4000-4499 " — J
4500-4999 " — K
5000-5499 " — L
5500-5999 " — M
6000-6499 " — N
6500-6999 " — P
7000-7499 " — R
7500-7999 " — S
8000-8499 " — T
8500-8999 " — U
9000-9499 " — V
9500-9999 " — W
10000-10499 " — X
10500-10999 " — Y
11000-11499 " — Z
11500-11999 " — 1
12000-12499 " — 2
12500-12999 " — 3
13000-13499 " — 4

3

SHEET 1

SECTION 2

VEHICLE DESCRIPTION SECTION - (VDS)

1	2	3	4	5

Vehicle Type

Truck Mounted Tank-3 axles -- 1
Semi-Trailer-2 axles -- 2
3 axles -- 3
Flat Bed Trailer Mounted Tank
2 axles -- 4
3 axles -- 5
Flat Bed Trailer Mounted Converter
2 axles -- 6
3 axles -- 7
Goose Neck Trailer Mounted Tank
2 axles -- 8
3 axles -- 9
Goose Neck Trailer Mounted Converter
2 axles -- A
3 axles -- B

DOT Sec.

None -- 0
MC-331 -- 1
MC-338 -- 2

Material

Inner Tank-Stainless Steel Jacket-Steel -- 1
Inner Tank-Aluminum Jacket-Aluminum -- 2
Inner Tank-Aluminum Jacket-Steel -- 3

Length In Feet

Under 20' -- A
20' -- B
21' -- C
22' -- D
23' -- E
24' -- F
25' -- G
26' -- H
27' -- J
28' -- K
29' -- L
30' -- M
31' -- N
32' -- P
33' -- R
34' -- S
35' -- T
36' -- U
37' -- V
38' -- W
39' -- X
40' -- Y
41' -- 1
42' -- 2
43' -- 3
44' -- 4
45' -- 5
46' -- 6
47' -- 7
48' -- 8
49' -- 9
Above 49' -- 0

Capacity In U.S. Gallons

Up to 499	Gallons	-- A
500-999	"	-- B
1000-1499	"	-- C
1500-1999	"	-- D
2000-2499	"	-- E
2500-2999	"	-- F
3000-3499	"	-- G
3500-3999	"	-- H
4000-4499	"	-- J
4500-4999	"	-- K
5000-5499	"	-- L
5500-5999	"	-- M
6000-6499	"	-- N
6500-6999	"	-- P
7000-7499	"	-- R
7500-7999	"	-- S
8000-8499	"	-- T
8500-8999	"	-- U
9000-9499	"	-- V
9500-9999	"	-- W
10000-10499	"	-- X
10500-10999	"	-- Y
11000-11499	"	-- Z
11500-11999	"	-- 1
12000-12499	"	-- 2
12500-12999	"	-- 3
13000-13499	"	-- 4