

Final Stage Manufacturer

- ***OVERVIEW: Who is the Final Stage Manufacturer, and what are your obligations as the Final Stage Manufacturer?***

- ***PRESENTED BY: PETER WEIS, CHIEF ENGINEER, POLAR TANK TRAILER, LLC***

WHEN ARE YOU THE “FINAL STAGE MANUFACTURER”?

Two Regulations require a “Final Stage Manufacturer”:

- 1) CERTIFYING A TRUCK OR TRAILER IN CONFORMANCE WITH ***FMVSS*** (FEDERAL MOTOR VEHICLE SAFETY STANDARDS)

- 2) CERTIFYING A CARGO TANK MOTOR VEHICLE IN CONFORMANCE WITH ***HAZARDOUS MATERIALS REGULATIONS***

BOTH REGULATIONS HAVE SPECIAL PROVISIONS FOR UNITS MANUFACTURED IN TWO OR MORE STAGES. FINISHING A TRAILER MAKES YOU THE FINAL STAGE MANUFACTURER IN BOTH CASES.

PART 1) CERTIFYING TO “FMVSS”

What are FMVSS?

- 1) Lighting
- 2) Conspicuity
- 3) Underride guard
- 4) Brake Timing
- 5) VIN/Certification
- 6) Etc.

All of these items must be certified to be in compliance by one of the “manufacturers” of the trailer.

1) CERTIFYING TO “FMVSS”

Single Stage manufacturing:

- A vehicle may be manufactured in one “stage”. *Example: You buy components, manufacture other components, and assemble them to completion.*

YOU ARE THE FINAL STAGE MANUFACTURER, AND ARE RESPONSIBLE FOR FMVSS COMPLIANCE, VIN’S ETC.

REFERENCES: 49 CFR 565, 567 FOR VIN AND CERTIFICATION REQUIREMENTS. 49 CFR 571 for FMVSS

1) CERTIFYING TO “FMVSS”

Multiple Stage Manufacturing: Common with trucks. Not as common with trailers.

➤ A vehicle may be manufactured in “multiple stages”

I. INCOMPLETE VEHICLE MANUFACTURER

- Assign VIN numbers
- Provide required “Incomplete Vehicle Document”

II. INTERMEDIATE MANUFACTURER (may be several, or none)

- Affix label to vehicle
- Create addendum to the previous documentation

III. FINAL STAGE MANUFACTURER

- Completes the vehicle to FMVSS
- Affixes certification label to vehicle per 567.5

1) CERTIFYING TO “FMVSS”

Final Stage Manufacturers:

- Must be registered with NHTSA per the requirements of 49 CFR 566.
- Reference materials:
 - 49 CFR 565 to 568
 - NTEA (National Truck Equipment Association) Certification Guide
 - Various TTMA Publications

MFD BY: _____

DATE OF MFR: MO. _____ YR. _____

GVWR: _____ KG (_____ LB)

GAWR-FRONT:

_____ KG (_____ LB)

WITH _____ TIRES,

_____ RIMS, @ _____ KPA

(_____ PSI) COLD _____

GAWR-INTERMEDIATE(1):

_____ KG (_____ LB)

WITH _____ TIRES,

_____ RIMS, @ _____ KPA

(_____ PSI) COLD _____

GAWR-INTERMEDIATE(2):

_____ KG (_____ LB)

WITH _____ TIRES,

_____ RIMS, @ _____ KPA

(_____ PSI) COLD _____

GAWR-REAR:

_____ KG (_____ LB)

WITH _____ TIRES,

_____ RIMS, @ _____ KPA

(_____ PSI) COLD _____

THIS VEHICLE HAS BEEN COMPLETED IN ACCORDANCE WITH THE PRIOR MANUFACTURERS' IVD, WHERE APPLICABLE. THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS, (AND BUMPER AND THEFT PREVENTION STANDARDS, IF APPLICABLE) IN EFFECT IN:

MO. _____ YR. _____

VEHICLE IDENTIFICATION NUMBER: _____

VEHICLE TYPE: _____

Door Label

1) CERTIFYING TO “FMVSS”

Intermission

Next: Certifying Cargo Tank Motor Vehicles (HAZMAT tanks)

PART 2) CERTIFYING TO HAZMAT REGULATIONS

Cargo Tank Certification: REGULATIONS: 49 CFR 178.345-15

First of All: If you are going to assemble CTMV's, you need to register with DOT.

Per 107.501 – *Registration Requirements Apply to the Following* – Cargo Tank and Cargo Tank Motor Vehicle Manufacturers, Assemblers, Repairers, Inspectors, Testers, and Design Certifying Engineers

THIS INCLUDES (AMONG OTHER THINGS):

- MOUNTING TANKS ON A MOTOR VEHICLE OR VEHICLE SUSPENSION
- INSTALLATION OF EQUIPMENT OR COMPONENTS NECESSARY TO MEET THE SPECIFICATION REQUIREMENTS PRIOR TO THE CERTIFICATION OF THE CARGO TANK MOTOR VEHICLE
- INSTALLATION OF INTERIOR LININGS

2) CERTIFYING TO HAZMAT REGS IN MULTIPLE STAGES

YOU WILL HAVE SOME DEGREE OF CERTIFICATION RESPONSIBILITY IF:

- YOU ARE THE SOLE MANUFACTURER OF THE CARGO TANK MOTOR VEHICLE
- YOU ARE A PARTICIPANT IN BUILDING A CARGO TANK MOTOR VEHICLE MANUFACTURED IN TWO OR MORE STAGES
- THE CARGO TANK HAS BEEN SHIPPED TO YOU WITH SPECIFICATION SHORTAGES

2) CERTIFYING TO HAZMAT REGS IN MULTIPLE STAGES

- **YOU ARE A PARTICIPANT IN BUILDING A CARGO TANK MOTOR VEHICLE MANUFACTURED IN TWO OR MORE STAGES**

1. *Each manufacturer shall provide to the subsequent manufacturer a certificate performed by that manufacturer, including any certificates from previous manufacturers . . . (49 CFR 178.345-15)*
2. *Each certificate must indicate the portion of the complete CTMV represented thereby, such as basic tank fabrication, insulation, jacket, lining, or piping.*
3. *The Final Manufacturer shall provide all applicable certificates to the owner*

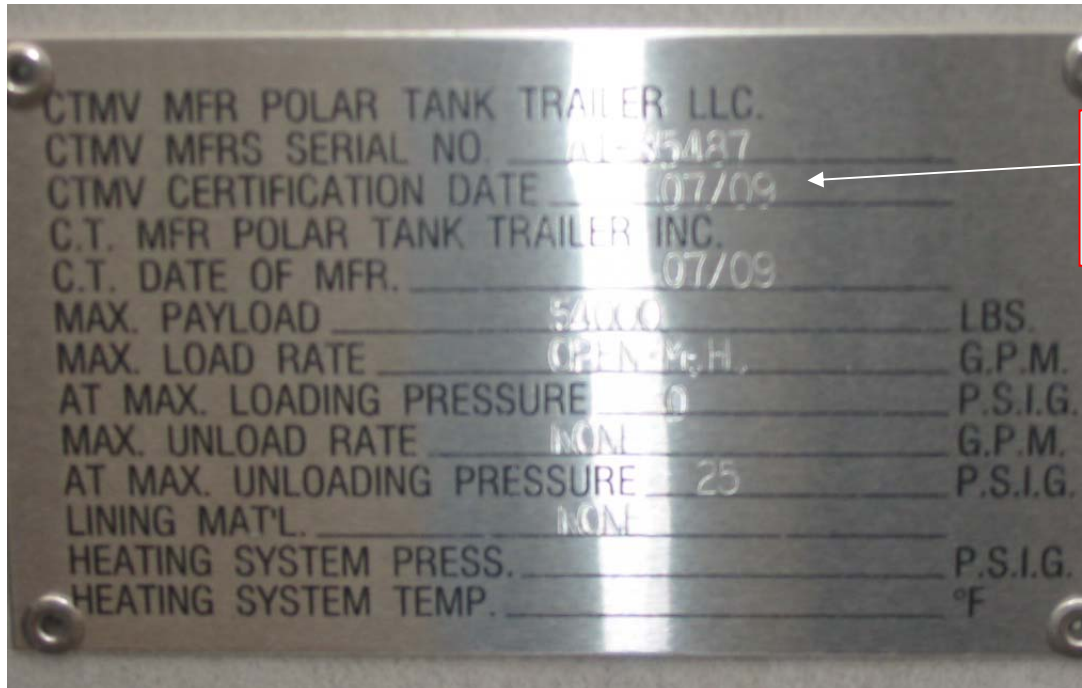
2) CERTIFYING TO HAZMAT REGS IN MULTIPLE STAGES

- **THE CARGO TANK HAS BEEN SHIPPED TO YOU WITH SPECIFICATION SHORTAGES (MISSING ESSENTIAL PARTS THAT YOU WANT TO ADD YOURSELF)**

1. *The manufacturer may affix the nameplate and specification plate, without the original date of certification stamped on the plate.*
2. *The manufacturer shall state the specification requirements not complied with on the Manufacturer's Certificate of Compliance (Note: Items such as Bumpers and Tank Mounting devices require designs to be approved by a Design Certifying Engineer)*
3. *When the cargo tank is brought into full compliance, **the Registered Inspector shall stamp the date of compliance on the specification plate, and issue a Certificate of Compliance** stating detail of the particular operations performed on the tank, the date and person accomplishing the compliance.*

2) CERTIFYING TO HAZMAT REGS IN MULTIPLE STAGES

- EXAMPLE OF DATA PLATE WITHOUT THE CERTIFICATION DATE



CTMV Date will be left blank on unfinished Cargo Tanks. It must be completed by the final manufacturer.

2) CERTIFYING TO HAZMAT REGS IN MULTIPLE STAGES

• EXAMPLE OF CERTIFICATE OF COMPLIANCE WITH SHORTAGES

List of Shortages

Not Certified

DEPARTMENT OF TRANSPORTATION
CERTIFICATE OF COMPLIANCE
ISSUED BY POLAR TANK TRAILER, LLC

CARGO TANK MOTOR VEHICLE MANUFACTURER REGISTRATION IDENTIFICATION NUMBER CT-0016

This certifies that the new Polar tank identified below was designed, constructed and tested in accordance with the Department of Transportation Motor Vehicle Cargo Tank Specifications No. D.O.T. 407 for cargo tank used for the transportation of classified liquids.

Truck Mount Tank

Vehicle Type: ~~X SEMI TRAILER TANK XX~~ Capacity: 3,700 U.S. GALLONS

Year Fabricated: 2008 Serial No. 81-34083

Manufactured by Polar Tank Trailer, LLC 12810 COUNTY ROAD 17, HOLDINGFORD, MN 56340-9773

CERTIFICATION

Cargo Tank Complies to Specifications No. _____ as Shipped.
CERTIFICATION DATE: _____

Cargo Tank Complies to Specifications No. D.O.T. 407 Except Those Items Listed.

Robert Holickmann
Design Captain/Engineer/Responsible Official
Robert Holickmann
Register Inspector

POLAR TANK TRAILER, LLC

F021 6/06 Rev. 2

ITEMS NOT INSTALLED AT TIME OF SHIPMENT

1. Add valving & piping per CFR 49 178.345-11
2. Add chassis anchoring per CFR 49 178.345-6
3. Add rear accident damage protection per CFR 49 178.345-8
4. Stamp Petro/Chemical Plate
5. Complete certification data & CTMV per 49 CFR 178.3

above items installed: _____ Date _____

By: _____
Firm Authorized Signature

WHEN ARE YOU THE “FINAL STAGE MANUFACTURER”



Questions?