



Safety Talk

Filling Vehicle-Mounted ASME Tanks

In addition to filling cylinders, you may also fill motor and mobile fuel tanks mounted to a vehicle. It is your responsibility to understand how to operate filling equipment, perform routine inspections, and follow regulations to ensure safety.

PROPANE FILLING OPERATION RESPONSIBILITIES:

Be sure you are knowledgeable and comfortable with all procedures for:

- Inspecting customer containers to ensure that they are safe for filling.
- Filling containers to their proper levels and preventing overfilling.
- Communicating product information and warnings to customers.
- Maintaining a secure propane filling and transfer area.
- Shutting down and securing the filling station in an emergency.

Contact your supervisor if you need to be trained in any of these areas.

BEFORE FILLING ASME MOTOR AND MOBILE FUEL TANKS:

- Be sure no one is inside the vehicle and the vehicle ignition is turned off.
- Inspect the tank to be sure it has all the correct markings, is in good condition, and is safe for filling.
- Restrict customers from the immediate area around the liquid propane transfer operation.
- Make sure there are no ignition sources or combustible materials within 25 feet of the filling connection, or metal-working operations within 35 feet.
- Use appropriate PPE, following your company's guidelines.

If filling a motor fuel tank on an RV, be sure to turn off all appliance pilot lights and electronic ignition systems.

WHILE FILLING ASME MOTOR AND MOBILE FUEL TANKS:

- Connect the fuel hose to the tank fill valve.
- Open the vent valve on the fixed maximum liquid level gauge and check for flow. If vapor appears, continue the filling process. If liquid appears or if the valve does not operate properly, discontinue the filling process and consult your supervisor.
- Start the pump, and slowly open the valve on the hose end.
- Close the hose end valve when a white mist or fog is emitted from the fixed maximum liquid level gauge, then close the fixed maximum liquid level gauge.
- Shut off the pump.
- Slowly loosen the filler adapter to vent any trapped liquid propane. Wait until it stops venting before completely disconnecting the adapter.
- Check the valve for leaks and replace the dust cap.

Discussion Topics

1. As you prepare for filling, you notice that a tank appears damaged, but the customer insists it is fine to fill. How should you proceed?
2. Why is it important to confirm that no metal-working operations are nearby the filling area?

LEARNING ACTIVITY

Practice the correct process to fill a vehicle-mounted ASME tank. Discuss safety issues and make sure participants understand how to recognize potential hazards.

Source: *Propane Delivery Operations and Cylinder Delivery* [PERC]

For more information about filling vehicle-mounted ASME tanks, visit propanesafety.com.

March 2016 Test

Filling Vehicle-Mounted ASME Tanks

Name: _____

Date: _____

Instructions: Read and answer each of the following questions. When complete, grade the test and review incorrect answers so each employee is “armed” with the correct answers before they leave the training.

1. If an ASME motor or mobile fuel tank does not have a readable _____ or does not have the proper working pressure for propane, do not fill it.
 - a. label
 - b. marking
 - c. data plate
 - d. decal

2. If you are filling a motor fuel tank or an RV, you must be sure to extinguish all pilots to appliances and electronic ignition sources.
 - a. True
 - b. False

3. You may use the float gauge for filling if the tank is so equipped.
 - a. True
 - b. False

4. Make sure there are no ignition sources or combustible materials within _____ ft. of the filling connection, metal working operations within _____ ft.
 - a. 5,10
 - b. 15,25
 - c. 20,30
 - d. 25,35

5. The last step in the filling operation is to check for leaks and replace the dust caps.
 - a. True
 - b. False

**March 2016
Answer Sheet**

- (1). C
- (2). A
- (3). B
- (4). D
- (5). A

MONTHLY SAFETY MEETING MINUTES AND ATTENDANCE RECORD

Company Name: _____

City: _____ **State:** _____

Date: _____ **Time Started:** _____ **Time Finished:** _____

Instructed By: _____ **Number Attending:** _____

Subject Covered and Comments:

By my signature below, I certify that I attended and participated in this Safety Meeting and I understand the material presented.

Employee Name (Please print)	Employee Signature	*License Expires	**Endorsements	***Physical Exam
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				

*Driver licenses may be for multiple years and require HazMat testing between license renewal periods. List expiration date.

**Check licenses for proper endorsements and re-testing. (HazMat) List endorsements in this column.

***Physical Examinations are good for 2 years from the original date of the exam or sooner by Physician's request. List original exam date in this column.

By my signature below, I hereby certify that the employees listed above have been trained in accordance with the applicable regulations and curriculum for this monthly safety meeting.

Instructor's Signature: _____ **Date:** _____