

ALERT

DO NOT USE THESE CYLINDERS FOR PROPANE

- Cylinders manufactured after 31 December 1992 with no “TC” markings stamped into the metal of the valve-protection collar, or on the shoulder
- Cylinders that are marked “**LIQUID VALVE DO NOT USE FOR PROPANE**” as shown in Figure 2, or
- Cylinders that are due for requalification, i.e. cylinders that have not been retested for 10 years since their last test date by a facility registered with Transport.

A number of cylinders that were modified as shown in Figure 1 for agricultural field marking have been discovered in the consumer propane market. These cylinders are **not legal** and are **not safe** for use in propane service. Modification of propane cylinders or use of propane cylinders outside their original design application makes them illegal.



Figure 1 Modified Cylinder with dip tube

DANGER OF USING THESE CYLINDERS FOR PROPANE

Filling these cylinders with propane could lead to a **fire or explosion** in the equipment they are attached to.

If these cylinders are filled with propane and the outlet valve is opened, they will supply liquid propane to any appliance they are connected to. **Any attempt to ignite this could lead to catastrophic results.**

WHAT TO LOOK FOR!

1. These cylinders look exactly the same as a 20 lbs. propane cylinder that you would use on a barbecue except these have a dip tube inside them that run down to the bottom of the tank.
2. These cylinders were originally marked with a warning label;
“LIQUID VALVE DO NOT USE FOR PROPANE”
but a number were found to have faded and become unreadable.



Figure 2 Modified cylinder with warning label

3. Cylinders with **no “TC” markings** stamped into the metal around the valve-protection collar or on the shoulder. A propane cylinder will typically have markings that looks like the following (the numbers and letters may be different):

TC4BAM17 08 XXX 96

PROPANE SUPPLIERS AND DISPENSING PLANTS

The Transportation of Dangerous Goods Regulations stipulates that any cylinder used for propane must not be refilled unless it is manufactured, tested, inspected and marked in accordance with the requirements of the legislation.

Propane suppliers and dispensing plants should be aware that these types of cylinders exist and **must not** fill them if they see the warning label on them, or suspect that the cylinder has been modified. The cylinders previously contained a foaming agent that was used to spray on farm fields. They are not usually cleaned out after use and any residual **foam** will cause damage to regulators and control valves on any propane appliance.

If the cylinders are accidentally filled and the attendant sees **foam** coming from the connection, the filling **must stop** and the cylinder **must be placed out of service**.

ILLEGAL USE OR MODIFICATION OF CYLINDERS

Modification of propane cylinders or use of propane cylinders outside their original design application makes them illegal. A fatal accident was reported when a propane cylinder was used for steam generation application and an injury was reported when a modified propane cylinder was used as an air receiver.

Portable propane cylinders shall only be filled, used and refilled for the designated application in accordance with the specification of the cylinders. Accordingly, use of these cylinders for permanent ground storage of propane or other fluids/substances, or alteration of these cylinders in any way or form for other applications including the transportation of other fluids or substances, will create a safety hazard and is not acceptable in accordance with the Alberta Safety Codes Act and Regulations.

INFORMATION

Cylinders used for propane come under the Transportation of Dangerous Goods Regulations. Utilization of fuel, fuel gas filling and connection and valving to apparatus are regulated by Alberta Municipal Affairs, Gas Safety. Transport Canada regulates cylinder design, inspection and utilization for transportation. The regulations are administered by Alberta Transportation. If propane cylinders are modified or used for pressure applications other than propane transportation, they are regulated as pressure vessels under the Alberta Safety Codes Act and are administered by the Alberta Boilers Safety Association.

For more information please contact:

Alberta Municipal Affairs	Alberta Transportation	Alberta Boilers Safety Association	Transport Canada
Safety Services	Dangerous Goods and Rail Safety Branch		Regulatory Affairs Branch
Gas Safety			Transport Dangerous Goods Directorate
16 th Floor, Commerce Place 10155-102 street Edmonton, Alberta T5K 0L4 1-800-232-7215 (780) 427-8256	Compliance Information Centre 499 – 98 Avenue Edmonton, Alberta T6B 2X3 1-800-272-9600 (780) 422-9600	#200, 4208 – 97 Street Edmonton, Alberta T6E 5Z9 (780) 437-9100	Place de Ville, Tower C 330 Sparks Street, 9 th Floor Ottawa, Ontario K1A 0N5 (613) 991-5763