



# User Manual

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66TR000-MAN-EN

## CDL Transport Tank





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## Introduction

Thank you for choosing a CDL transport tank. At CDL, we place great importance on developing high-quality products designed to meet the specific needs of modern maple sugaring. Your trust in our equipment is a testament to our commitment to excellence and innovation.

This user manual is intended to provide you with all the necessary information for the safe and efficient use of your CDL transport tank. Inside, you will find detailed instructions on installation, maintenance, and best usage practices to help keep your transport tank in optimal working condition and to maximize the lifespan of your equipment.

We hope this manual will be a valuable resource for you, and we invite you to contact your representative should you have any questions or require further assistance. Your satisfaction is our priority, and we are here to support you in the success of your business.

## Safety Instructions

Safety is a top priority when installing and using your equipment. This section provides essential information to ensure its safe operation. Please read all safety instructions carefully before beginning any operation.

The following pictograms are used throughout this manual to draw your attention to specific hazards and necessary precautions. Understanding and following these guidelines will help prevent accidents and ensure a safe working environment.

**General Hazard**

This symbol indicates a potential risk of serious injury or property damage. Please take all necessary precautions to prevent accidents.

**Crushing Hazard**

This symbol indicates a potential crushing hazard that may cause serious injuries. Be cautious around areas where moving or heavy parts may shift.

## Product Description

### Description of Available Sizes

Capacity		Inspection Hatch	Anti-Wave Baffle	Stock Code
(gal. US)	(gal. IMP)			
<b>550 US gal.</b>	458 IMP gal.	8"	No	66TR500
<b>1100 US gal.</b>	916 IMP gal.	24"	Yes	66TR1100
<b>2200 US gal.</b>	1832 IMP gal.	24"	Yes	66TR2200
<b>3200 US gal.</b>	2665 IMP gal.	24"	Yes	66TR3200
<b>4100 US gal.</b>	3414 IMP gal.	24"	Yes	66TR4100

### Features

- Sturdy construction made of brushed 304-grade stainless steel
- Domed ends and reinforced structure for increased overall tank strength

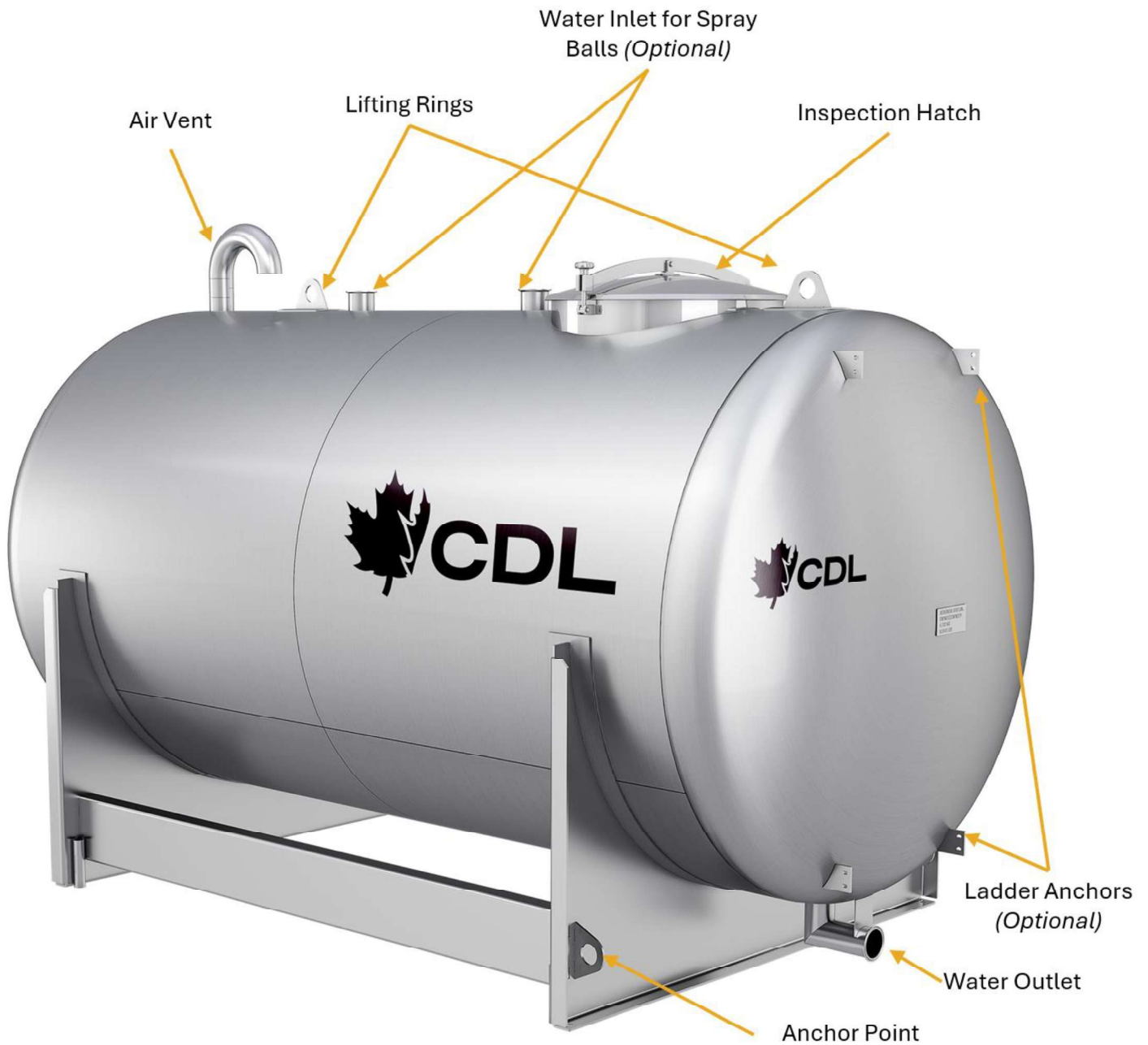
### Inclusions

- One 3" Inlet
- One 3" Outlet
- Lifting Rings
- 8" inspection hatch on the 550-gallon model
- 24" inspection hatch on the 1100, 2200, 3200, and 4100 US gallon models
- Anti-wave baffles on the 1100, 2200, 3200, and 4100 US gallon models

### Available Options

- Water level sight gauge
- Graduated measuring stick
- Ladder
- Single spray ball
- Double spray ball
- Triple spray ball

## Component Identification



## Installation and Commissioning

### Selecting a Trailer for Transport Tank Installation

Choosing the right trailer is essential for installing your transport tank. To ensure the strength and stability of your tank, it must be installed on a rigid and sturdy trailer.



**An inadequate trailer can lead to damage, accidents, or injuries, for which CDL cannot be held responsible.**

To select a suitable trailer, refer to the full transport tank weight chart. This chart will help you choose a trailer capable of safely supporting the required capacities.

Stock Code	(US gal.)	Empty Weight (lbs)	Water Weight (lbs)*	Total Full Weight (lbs)*
<b>66TR550</b>	550 US gal.	523	5 500	6 023
<b>66TR1100</b>	1100 US gal.	1 022	11 000	12 022
<b>66TR2200</b>	2200 US gal.	1 855	22 000	23 855
<b>66TR3200</b>	3200 US gal.	2 635	32 000	34 635
<b>66TR4100</b>	4100 US gal.	3 117	41 000	44 117

\* Approximate weight may vary depending on the sugar content in the water and other factors. (Calculated at 10 lb/US gal.)

### Transport tank installation procedure on the trailer

To ensure the safety and stability of your transport tank, carefully follow this tie-down procedure:

#### 1. Tank Positioning:

- Place the tank as centered as possible over the trailer axles.

#### 2. Front Tank Securing (1):

- Using a strap or chain, secure the front of the tank with the front anchor points. Cross the strap or chain as shown below. Apply sufficient tension without over-tightening.

#### 3. Rear Tank Securing (2):

- Using a strap or chain, secure the rear of the tank with the rear anchor points, without crossing the strap or chain. Tighten adequately to keep the tank in place.

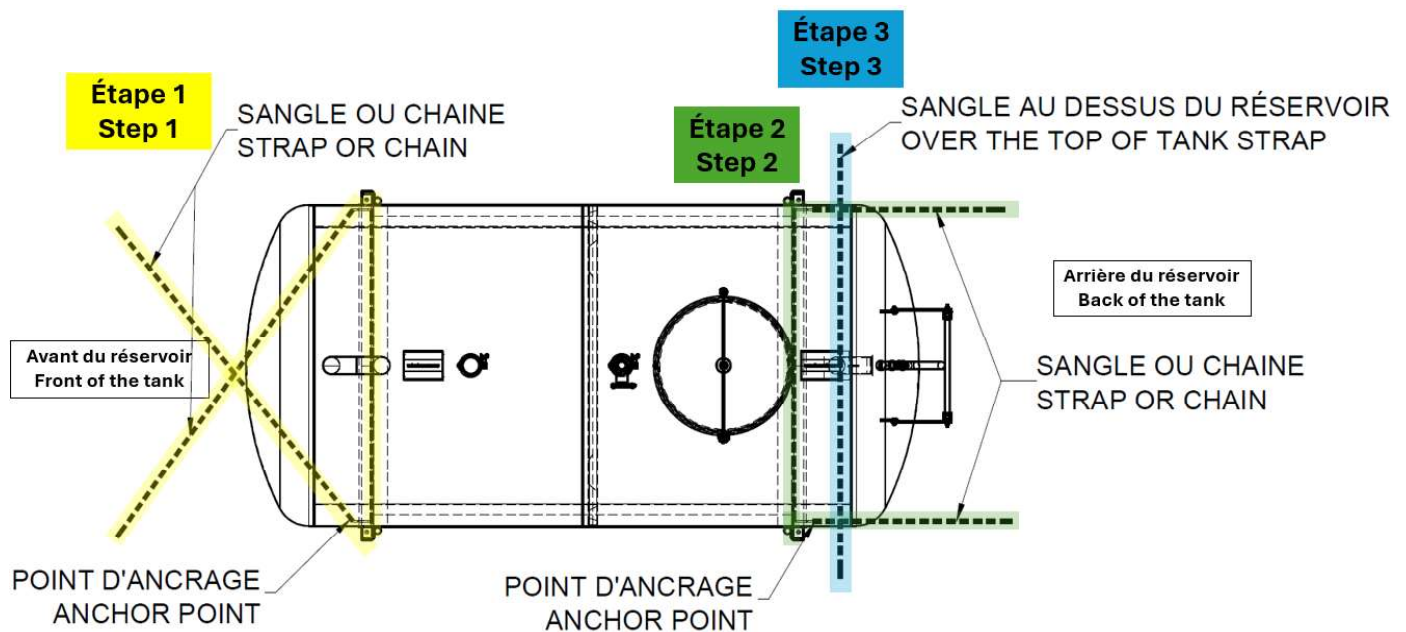


#### 4. Top Tank Securing (3):

- Using a strap, secure the top of the tank to the trailer toward the rear of the tank. Tighten sufficiently to ensure stability.

#### Additional Safety Instructions

- **Strap or Chain Capacity:** Ensure that the straps or chains used have the appropriate capacity for the size and weight of your tank (2x chains or straps, and 1x strap).
- **Securing Responsibility:** CDL is not liable for any damage caused by improper securing, non-compliant trailers, or incorrect positioning.
- **Pre-Departure Checks:** Always inspect the trailer and tank before each trip.
- **Bolting Prohibited:** Do not bolt the tank to the trailer platform.



## Connecting the spray ball to the pump

The spray ball must be connected to a pump that is suitable for the size of the tank. Consult your CDL representative to select a pump appropriate for your setup.

Spray ball flow capacity GPM (l/min) based on pressure				
@10 PSI	@20 PSI	@30 PSI	@40 PSI	@50 PSI
45 (172)	64 (250)	78 (290)	90(355)	101 (385)

## Cleaning procedure for a new transport tank

Before using your new transport tank for the first time, it is crucial to follow these cleaning steps to ensure a clean, contaminant-free start-up. This initial wash removes any residual manufacturing oil, polishing paste, and/or packaging debris.

### 1. Preparing the cleaning solution:

- Prepare a solution of hot water and citric acid. The concentration should reach a pH of 2, which is approximately one cup of citric acid per 10 gallons of water. The volume of solution will vary depending on the size of the tank and must be sufficient to allow continuous recirculation through the system.

### 2. Recirculating the solution:

- Recirculate the hot water and citric acid solution in a closed loop using the wash ball pump for 3 to 6 hours, or until the solution becomes dirty. If the solution becomes dirty, drain it and repeat the procedure.



### 3. Manual Cleaning:

- Use the same solution to manually clean all accessible components that may come into contact with maple sap, including hoses, fittings, and stainless-steel valves.

### 4. Thorough Rinsing:

- Rinse thoroughly with clean water until all wash water containing manufacturing residues or acid is completely removed. For this step, drain the rinse water through the outlet valve.

**Additional Instructions:**

- For best results, use hot water (185°F) with low mineral content.
- For exterior cleaning, use hot water, if possible, even in moderately cold conditions (around -5°C / 23°F).
- For organic cleaning, use glacial acetic acid available from CDL.

By following these steps, you ensure your transport tank is clean and ready to use without risk of contamination.

## Pre-Use Checks

**Pre-Use Inspection Checklist**

After installation and before using your transport tank, please perform the following checks to ensure the safety and proper operation of the equipment:

**1. Trailer Condition:**

- Check that the trailer is in good condition and capable of supporting the tank.

**2. Tank Securing:**

- Ensure the tank is properly secured according to the specified installation procedure.

**3. Drain Valves:**

- Verify that the drain valves are tightly closed to prevent any leakage.

**4. Access Hatch:**

- Make sure the access hatch is properly closed and secured.

## Maintenance and care

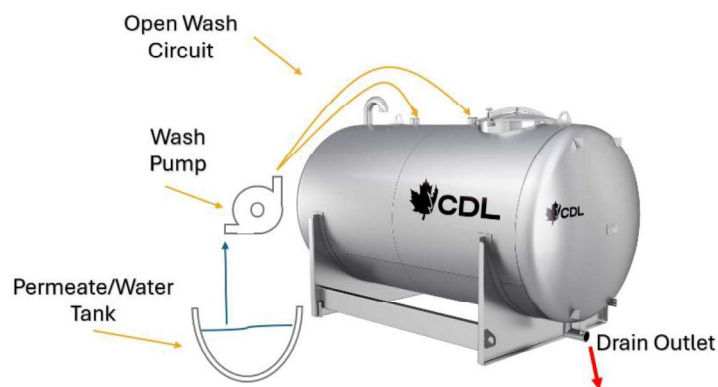
### Cleaning the Transport Tank

#### In-Season Transport Tank Cleaning

It is important to rinse the transport tank regularly during the sugaring season whenever it is emptied. Follow the procedure below:

##### 1. Regular Rinsing:

- Use permeate or clean water through the spray ball.
- Drain the rinse water through the outlet valve.
- Repeat this step until the tank is thoroughly rinsed.



##### 2. Maintaining Cleanliness:

- Regular in-season rinsing should be sufficient to keep the transport tank clean.

##### 3. Deep Cleaning:

- If regular rinsing is not enough, clean the tank with citric acid following the procedure for cleaning a new transport tank as outlined in this manual.

#### Manual Cleaning

If your transport tank is not equipped with the spray ball option, you can perform manual cleaning by following these steps:

##### 1. Accessing the Tank:

- Open the access hatch located on top of the transport tank.

##### 2. Using a Pressure Washer:

- Use a pressure washer to clean the inside of the tank. Direct the water jet at all interior walls to remove any residue.

##### 3. Using a Garden Hose:

- If a pressure washer is not available, a garden hose can also be used. Carefully rinse all interior surfaces of the tank.

By following this procedure, you ensure optimal cleanliness of your transport tank throughout the sugaring season.

## Component inspection

Regularly inspect the tank for potential leaks at welds or plumbing connections.

Ensure the tank is always securely fastened to the trailer according to the tie-down procedure.



**Regularly check that no debris or ice is obstructing the air vent at the upper end of the tank.**

## Storage

### Decommissioning procedures

Before storing your transport tank, it is essential to perform a thorough cleaning by following the procedure outlined in the “Maintenance and Care” section of this manual.

- **Indoor Storage:** If your tank is stored indoors, leave the access hatch open to allow proper ventilation during storage.
- **Outdoor Storage:** If your tank is stored outdoors, close the access hatch to prevent any external contamination during storage.

Following these steps will help keep your tank in good condition and ready for the next season of use.

### Cleaning procedure before recommissioning

When recommissioning the transport tank, carefully follow the procedure detailed in the “Installation and Commissioning” section of this manual to ensure a proper and safe restart.

## Troubleshooting

This troubleshooting section is designed to help you quickly identify and resolve issues you may encounter with your transport tank. If problems persist, your representative or our customer service team is available to provide further assistance.

### Problems and solutions

#### Washing is not functioning properly:

1. The spray ball may be worn out, affecting its performance. Replace the wash ball (SKU 6793202).
2. Check the condition and proper connection of the spray ball plumbing.
3. Ensure the feed pump is working correctly.

If you experience major issues, contact your representative for support.

## Replacement Parts

SKU	Description	Image
6793202	Rotation Teflon Spray Ball for Transport Tank	

## Warranty

The CDL Silos and Tanks are covered by a two-year (two consecutive sugaring seasons) limited warranty. For two years, from the date of original purchase, CDL inc. will repair or replace the parts of this equipment that have a defect in material or workmanship, if this equipment is installed, used and maintained according to the instructions provided in the user manual.

### Exclusions

This warranty does not cover the following:

1. Aesthetic appearance.
2. Products whose original serial number has been removed, altered or is not easily legible.
3. Equipment that has changed ownership or is located outside North America.
4. If CDL's maintenance procedure is not followed.
5. Production losses due to any problem.
6. Loss of income caused by the quality of the syrup.
7. Service calls that do not concern a malfunction, manufacturing defect or material defect, or for products that are not used in accordance with the instructions provided.
8. Service calls to check the installation of your Tank Silo or to obtain instructions regarding use.
9. Calls for service after two years.
10. Damage caused by: repairs made by unauthorized technicians; the use of parts other than original CDL parts or the use of parts that were not obtained through an authorized technician; or external causes such as abuse, misuse, accidents, fires or natural disasters.
11. If the Tank-Silo has been damaged by abuse, negligence, modifications made by the customer or electrical problems.
12. Damage caused by the use of products that are not intended for use in a Tank-Silo or by the misuse of cleaning products.



**Disclaimer of warranties; limitation of remedies**

Customer's sole and exclusive remedy under this limited warranty shall be repair or replacement as provided herein. Claims based on implied warranties, including warranties of merchantability or fitness for a particular purpose, are limited to two years or the shortest period allowed by law, but not less than two years. CDL shall not be liable for consequential or incidental damages such as property damages and incidental expenses or loss or revenues caused by any event covered by this warranty. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, or limitations on the duration of implied warranties, so these limitations or exclusions may not apply to you. This written warranty gives you specific legal rights. You may also have other rights that vary from states to states.

**If you need service**

Keep your receipt, delivery slip or some other appropriate payment record to establish the warranty period should service be required. If service is performed, it is in your best interest to obtain and keep all receipts. Service under this warranty must be obtained by contacting CDL at the addresses or phone numbers below.

Obligations for service and parts under this warranty will be performed by CDL in Canada. Products features or specifications as described or illustrated are subject to change without notice.

**CDL Sugaring Equipment Inc.**

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