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We create unique waste solutions to maximize value while reducing your carbon footprint

# MAXIMUM CAPACITY TEST REPORT

## OVERVIEW

Hedstrom® Environmental performs maximum capacity, dynamic load testing on its containers to prove the holding capacity of each container size and style. Two, three, and four yard containers (Front load, Rear Load, and Quad Pocket) were fully assembled with casters and filled with various amounts of water up to 4,000 lbs. Once loaded, each container sat for one hundred twenty hours before being pushed and pulled for one hundred yards, across various terrains. After the test, the containers were drained and reviewed for any signs of damage or stress.

**Goal #1:** Retain all water without any leaking and minimal warpage.

**Goal #2:** Understand maximum capacity for each container size & style while sitting idle and while being pushed & pulled.

### 2 YD FL & Quad

Up to 2,500 lbs  
(300 gal)

### 2 YD RL

Up to 2,500 lbs  
(240 gal)

### 3 YD FL & Quad

Up to 2,500 lbs  
(300 gal)

### 3 YD RL

Up to 2,500 lbs  
(300 gal)

### 4 YD FL & Quad

Up to 4,000 lbs  
(420 gal)

## RESULTS

- All containers held 100% of load with zero leaking.
- Stationary caster assemblies collapsed while being pushed perpendicular to the position of the stationary casters.
- Container bodies remained damage free and withstood dynamic load throughout testing.



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# STANDARD SHIPPING TEST REPORT



### OVERVIEW

Hedstrom® Environmental performs real world shipping tests on all of its containers to ensure stability and provide an easy loading/unloading experience for the end user. Containers are stacked three high (Rear Loads tested five high), loaded onto a truck and driven at least two hundred miles through various terrains, unloaded and reviewed for quality.

### RESULTS

- All containers withstood shipping test with zero damage.



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# STATIC LOAD STACK TEST REPORT



### OVERVIEW

Hedstrom® Environmental has performed static load stack testing on its two, three and four yard containers. Two containers were stacked together while the top container was filled with various amounts of water, up to one thousand pounds. The filled stacks were tested for one hundred twenty hours, drained and reviewed for warpage, damage and other results of the stress. By using water as the load, force was applied to all sides and bottom of the containers for the duration of the test.

**Goal #1:** Retain all water without any leaking.

**Goal #2:** Withstand various amounts of force while stacked and prevent damage or warpage to containers.

Container Size	Gallons	Weight
2 Yard	72 gal	600 lbs
3 Yard	90 gal	750 lbs
4 Yard	120 gal	1,000 lbs



### RESULTS

- Containers with water (top) held 100% of load with zero leaking and minimal warpage.
- Bottom container supported the weight of loaded, top container with zero warpage.

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