

# TRACKSTER

## SERVICE BULLETIN

Service Dept. CUSHMAN MOTORS Lincoln, Nebraska



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### TRACKSTER STABILITY TESTS

Recently tests were conducted to determine the static tip-over points of standard and flotation Tracksters with two passengers in the seat.

The Trackster was installed on a tilt table with cleats and tilted forward, backward and sideways until the tip-over point was reached. In each case the two seated passengers leaned in the direction which would cause the LEAST stability.

The results of this test are shown below:

STANDARD			FLOTATION		
Uphill	Downhill	Sidehill	Uphill	Downhill	Sidehill
55°	45°	50°	58°	41 1/2°	49°

Test\*conducted April 2 and 3, 1974.

In addition to this, another set of tests was conducted to determine the effect of various accessories on Trackster stability.

The Trackster was installed on a tilt table. A particular accessory was installed and the machine was tilted forward, backward and sideways until the tip-over points were reached.

The results of these tests are shown below:

	Stability Effects of Accessories on a Trackster					
	STANDARD			FLOTATION		
	Uphill	Downhill	Sidehill	Uphill	Downhill	Sidehill
Cloth Cab	- 3°	- 5°	- 6°	- 3 1/2°	- 3°	- 4°
Fiberglass Cab	- 7°	- 3 1/2°	- 7°	Not Available		
Perry Roll Bar	- 4°	- 7°	- 6°	- 6°	- 5°	- 5°
Severin Canopy	- 6°	- 7 1/2°	- 7°	- 6°	- 7 1/2°	- 7°
Snowplow lift	0°	- 4 1/2°	- 3°	0°	- 4 1/2°	- 3 1/2°
Broyhill Full Sprayer	-16°	+ 2°	- 9°	Not Available		
Broyhill Empty Sprayer	- 8 1/2°	+ 1°	- 7°	Not Available		
MICRO-GEN Sprayer	Not Available			-12°	- 3 1/2°	-11°

COMMENTS: If the Trackster is equipped with more than one accessory, the stability factors accumulate. For instance, a standard Trackster with a cloth cab and a Perry roll bar is 12° less stable going downhill than the standard Trackster. Test conducted March 21, 1974.

It should be noted that these tests were made under laboratory conditions and the results shown must be accepted as the optimum in each case. Actual field conditions and the fact that the Trackster is in motion are conditions that must be taken into consideration during operation.