

A dual platform wheel load scale was used to directly measure single tire weights in a dual tire configuration. Inner tire weights were approximately 20% higher than outer tires, and low psi or tire conditions were identified with the Intercomp dual platform portable scale.

Data collected during test in Hillsborough, North Carolina on May 17, 2021.

8 Axle Permit-Backhoe

Rocker Weigh Method

Measurements are Displayed in lb



5,780

**Steer**

5,320

	Total	Outer	Inner		Group 2		Inner	Outer	Total
<b>I/O Differential</b>	10,000 -24%	4,300	5,660		<b>Ax2</b>		5,320	4,320	9,680 -18.8%
<b>I/O Differential</b>	11,360 -13.5%	5,260	6,080		<b>Ax3</b>		6,120	4,380	10,500 -28.4%
<b>I/O Differential</b>	11,400 -20.2%	5,060	6,340		<b>Ax4</b>		4,440 PSI 72	5,720	10,160 28.8%
	Total	Outer	Inner		Group 3		Inner	Outer	Total
<b>I/O Differential</b>	9,620 -28.2%	4,020 Profile	5,600		<b>Ax5</b>		4,620	3,640	8,280 -21.2%
<b>I/O Differential</b>	8,620 -21.5%	3,800	4,840		<b>Ax6</b>		5,000	3,360	8,360 -32.8%
<b>I/O Differential</b>	8,380 -25.8%	3,560	4,800		<b>Ax7</b>		3,920 PSI low	4,160	8,080 6.1%
<b>I/O Differential</b>	8,460 -26.6%	3,580	4,880		<b>Ax8</b>		4,240	3,300	7,540 -22.2%

**Avg (lb)**   **Avg (%)**  
**I/O Differential**   -957.14   -17.7%

Intercomp's LTR788™ Dual Wheel Load Scale was created to directly measure tire weights in a dual tire configuration. The fully-electronic, self-contained, low profile wheel load scale can be used alone, or alongside single-platform wheel load scales for commercial vehicle enforcement or inspection operations.



<b>CAPACITY</b>	22,000 lb (10,000 kg) Total, 11,000 lb (5,000 kg) Per Pad*
<b>PAD DIMENSIONS</b>	12.75" x 15.5" x .86" (324 x 394 x 22 mm) Each
<b>WEIGHT</b>	39 lb (17 kg)
<b>ACCURACY</b>	± 0.5% to 1%
<b>INDICATORS</b>	Low Battery, lb/kg, Inner Local, Outer Local, Total
<b>CONTROLS</b>	Push Button On/Off, Zero, Local/Total, Print/Accumulate
<b>TEMPERATURE</b>	Operating -20° to 150°F (-28° to 65°C)   Storage -40° to 170°F (-40° to 75°C)

\*Pending Certification

**Local/Total Button Toggles Between Inner, Outer, and Both (Total) Wheel Weights**



Inner Tire  
Wheel Weight  
Displayed



Outer Tire  
Wheel Weight  
Displayed



Indicates Total  
of Both  
Wheel Weights

