

TIP OF THE WEEK

MODEL..... ALL LOADING TOOLS FEATURE..... BE AWARE OF PARTIAL PASSES

What is a Partial Pass?

- A reduced volume pass added to a truck in an attempt to achieve the rated payload of the truck.
- Generally, a bucket fill of less than 50% is used on this pass.

When are Partial Passes Harmful to Fleet Productivity?

- In a Loader Dependent (LD) Application or Over Trucked fleet.

Example:

- Target Truck Payload = 100 tons
- Ave Payload per Pass = 23 tons
- Ave Cycle Time per Pass = 30 seconds

<u>Pass</u>	<u>NO PARTIAL PASS</u>		<u>WITH PARTIAL PASS</u>	
	<u>Tons</u>	<u>Seconds</u>	<u>Tons</u>	<u>Seconds</u>
1	23	30	23	30
2	46	60	46	60
3	69	90	69	90
4	92	120	92	120
5*			100 } 8 Tons *	145
Totals	92	120	100	145
Tons / hr.	2,760		2,483	10% Less

* **Partial Pass:** Reduces Ave Payload per Pass to 20 tons (13% less)

LD Application: Fleet productivity is based on loading tool performance. Partial Passes reduce average payload per pass of the loading tool and thus reduce fleet productivity, as shown above.

Partial Passes are generally advantageous in a Truck Dependent application.

