

## MTTPA Dyno Standard Operating procedures 2018 >

Approved at NOV 2017 Annual Meeting

The maximum HP for any tractor will be determined by its Nebraska test ratings. However, our dyno operators will be instructed to look for the maximum HP of any tractor at any Rpm they can find it.

The operator will need to find the maximum HP and then make sure he or she can find it for more than just a one second flash on their screen.

The dyno operator will first bring the tractor down to either the 540 rpm or 1000 rpm depending on witch PTO stub they are hooked to.

They will look for power on the way down to and below the 540 or 1000 rpms respectively. If more HP is seen either on the way down to the PTO stub rpm or when going below the rated PTO stub rpm. The dyno operator will need to find the highest HP reading for the tractor then move off that rpm and move back to it to determine the final max HP reading.

Dyno operators will also need to instruct the tractors hooking on to the dyno that they will need to turn on their PTO and then wait a few seconds with their tractor at low idle until the operator signals them to go full throttle. The reason for this is it takes a bit of time before the dyno actually starts putting load on the tractor. Hopefully with the operators doing this we will see tractors on the dyno for less time at full throttle. Also as the operators get more familiar with the dyno they will be able to decrease dyno test times.

All dyno operators will be trained with this standard operating procedure.

Our new dyno also has the ability to have a laptop hooked to it. This laptop can then record Class finishing (top 3 dyno out) dyno runs made on each tractor.

These recordings can and will be used by track officials to review any disputed readings or disqualification readings.

The 15% tolerance on all tractors will also still be in effect, **BUT all pullers need to be aware that MTTPA policy will be that there is no tolerance on the tolerance. Thus if you are found over your max HP tolerance at any pto rpm you will be disqualified.**

**Judges decision is final.**