

University of Nebraska
Department of Biological Systems Engineering
Nebraska Tractor Test Laboratory

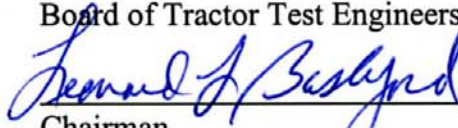
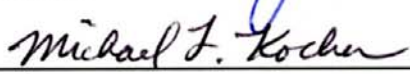
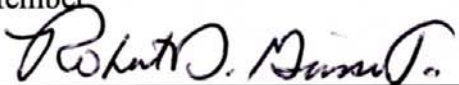
MAXIMUM DRAWBAR POWER RUNS

The maximum drawbar power of a tractor shall be determined as follows:

1. Tractors equipped with geared transmissions shall be operated
 - a. in all gears in which neither a travel reduction (slip) of 15% nor a travel speed of 8 mph is exceeded while maintaining rated engine speed.
 - b. in that gear immediately slower than the slowest run (a above) with the load adjusted to produce a slip approaching 15% (engine speed is likely to be higher than rated speed in this maximum pull run), and
 - c. in a gear providing a speed over 8 mph and not exceeding 10 mph while maintaining rated engine speed.

2. Tractors equipped with continuously variable transmissions shall be operated
 - a. at six or more travel speeds selected to give approximately equal spaced intervals in which neither a 15% slip nor travel speed of 8 mph is exceeded while maintaining rated engine speed,
 - b. in a maximum pull run with slip approaching 15%, and
 - c. in a run between 8 and 10 mph while maintaining rated engine speed.

April 6, 1978
June 20, 1983
August 17, 1998 (Reaffirmed)

Board of Tractor Test Engineers

 Chairman

 Member

 Member