

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

TRACTOR MODEL

Under Section 2-2701.01(2) of the Nebraska Tractor Engine Testing Law, the term current tractor model is defined as: Current tractor model shall mean any *model* included in the manufacturer's annual price list of tractors being offered for sale by its dealers or distributors. In addition, Section 2-2701 of the statute states that applications for permits to sell tractor models in the state shall be accompanied by specifications of the tractor model required by the Board. To more clearly delineate *model* and identify the required specifications, the Board Action, Tractor Model, shall be used to assist the Board, the manufacturers, and other interested parties in identifying models that will require performance testing to meet the Nebraska Statute.

A specific tractor model shall be identified by the manufacturer's specifications for each of the following:

1. Manufacturer's rated engine speed.
2. Power at the power take-off (PTO), drawbar, or engine, at the manufacturer's rated engine speed, standard PTO speed, and all other engine speeds between high idle speed and maximum torque speed (the manufacturer may claim more than one of the listed power conditions).
3. Engine manufacturer.
4. Engine displacement and number of cylinders.
5. Consumable fluid specifications (fuel, DEF, etc.) to include fluid type(s) and maximum flow rate at rated engine speed, standard PTO speed, maximum power speed and all other engine speeds between high idle speed and maximum torque speed. (See also Board Action No. 20.)
6. Basic chassis type classified as one of the following:
 - (a) 2-wheel drive or mechanical front wheel drive,
 - (b) 4-wheel drive articulated or rigid frame where all tires are the same size,
 - (c) half-track drive (2-track drive at one axle, wheels at the other axle)
 - (d) track laying machine, or
 - (e) 4-track drive.


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Any derivatives of the five basic chassis types shall not require a separate test, but be considered covered by the basic chassis type.

For tractor versions that are the same model based on items 1 through 6 above, but have different components that may affect performance on the drawbar power or PTO power tests, the manufacturer will bring the version of the tractor model to the Test Station for testing with the components projected to be the most popular on units sold in Nebraska.

August 17, 1998
March 8, 2007 (Revised)
October 14, 2010 (Revised)

Board of Tractor Test Engineers



Chair



Member



Member