

January 1929

## Test 161: Baker 43-67

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UNIVERSITY OF NEBRASKA AGRICULTURAL ENGINEERING DEPARTMENT  
AGRICULTURAL COLLEGE, LINCOLN

Copy of Report of Official Tractor Test No. 161

BRIEF SPECIFICATIONS

MOTOR: Make Le Roi Serial No. 1176-3 Type 4 Cylinder, Vertical  
Head "I" Mounting Lengthwise  
Bore and stroke: 5-1/2 x 7 in. Rated R.P.M. 1100  
Port Dia. Valves: Inlet 2-1/4" Exhaust 2-1/4"  
Belt pulley: Diam. 15-1/2 in. Face 8-1/2 in. R.P.M. 774  
Magneto: Eiseman Model "G4"  
Carburetor: Stromberg Model "M4" Size 1-3/4"  
Governor: Own make No. \_\_\_\_\_ Type Fly-ball  
Air Cleaner: Pomona "Vortex" Type Oil filter  
Lubrication: Pressure

CHASSIS: Type 4 Wheels Serial No. G29140 Drive enclosed gear  
Clutch: Twin Disc Type Single plate operated by hand  
Advertised speeds, miles per hour: Low 2 to 2.5  
Intermediate none High 3 to 3.5 Reverse 2.5  
Drive wheels: Diameter 61" Face 24"  
Lugs: Type Spade No. per wheel 48 Size 4-3/4" High x 3.4" Wide  
Extension rims: Width None Seat Pressed Steel  
Total weight as tested (with operator) 10,575 pounds.

FUEL AND OIL

Fuel: Gasoline Weight per gallon 6.15  
Oil: Mobiloil BB To fill crankcase 5 gallon  
Additional amount used during test 2 gallon  
Total number of hours of test 35

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REPAIRS AND ADJUSTMENTS

It was necessary to lock the gears in mesh during the high gear maximum and rated load drawbar tests.

REMARKS

The tests herein reported were conducted with one carburetor setting which remained unchanged throughout the tests. This condition should be recognized when comparing this test with any Nebraska test conducted prior to 1928.

In the advertising literature submitted with the specifications and application for test of this tractor we find no claims and statements which, in our opinion, are unreasonable or excessive.

The results of this test indicate that the rating of this tractor does not exceed the provisions of the tractor rating code of the American Society of Agricultural Engineers and the Society of Automotive Engineers.

We, the undersigned, certify that above is a true and correct report of official tractor test No. 161.

Lew Wallace  
Engineer-in-Charge

E. E. Brackett

C. W. Smith

E. B. Lewis  
Board of Tractor Test Engineers