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Tractor Test and Power Museum, The Lester F. Larsen

January 1930

Test 175: Twin City Model KT 11-20

Nebraska Tractor Test Lab

University of Nebraska-Lincoln, tractortestlab@unl.edu

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Copy of Report of Official Tractor Test No. 175

One carburetor setting (98% of maximum) was used thruout this test.

16.57	: 1408	: 4.41	: 1002	: 6.76	: -----Not Recorded-----	: 163	: 81:	28.80
18.89	: 2076	: 3.41	: 1007	: 4.99	: -----"-----"	: 164	: 83:	28.79
18.80	: 3334	: 2.12	: 999	: 13.61	: -----"-----"	: 163	: 80:	28.78

UNIVERSITY OF NEBRASKA - AGRICULTURAL ENGINEERING DEPARTMENT
AGRICULTURAL COLLEGE, LINCOLN

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BRIEF SPECIFICATIONS

MOTOR: Make Own Serial No. 375260 Type Vertical
Head "I" Mounting Lengthwise
Bore and stroke: 4 1/4 x 5 in. Rated R.P.M. 1000
Port Dia. Valves: Inlet 1 5/8" Exhaust 1 5/8"
Belt pulley: Diam. 14 in. Face 7 in. R.P.M. 715
Magneto: American Bosch Model U 4 ED2V7
Carburetor: Stromberg Model RT 1 Size 1"
Governor: Own No. None Type Fly ball
Air Cleaner: Donaldson - 2 unit Type Centrifugal and oily fibre
Lubrication: Pressure

CHASSIS: Type 4 wheels Serial No. 300221 Drive Enclosed gear
Clutch: Twin disc Type Single plate operated by hand
Advertised speeds, miles per hour: Low 2.1
Intermediate 3.13 High 4.15 Reverse 1.8
Drive wheels: Diameter 42" Face 10"
Lugs: Type Cast spade No. per wheel 20 Size 3.40" high, 2.50" wide at point, 3" wide at base.
Extension rims: Width 6" Lugs 10 per rim
Seat: Pressed steel
Total weight as tested (with operator) 5060 pounds.

FUEL AND OIL:
Fuel: Kerosene Weight per gallon 6.74¹/₂
Oil: S.A.E. Viscosity No. 30

Total oil to motor 5.190 gallons

Total drained from motor 5.780 gallons

Total time motor was operated 54 hours

All of the oil was drained from the crankcase at the end of 44 hours and again at the end of the test.

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REPAIRS AND ADJUSTMENTS

No repairs nor adjustments.

REMARKS

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

The drawbar tests were run with drive wheels equipped with spade lugs and with extension rims and lugs as listed on Page 2 of this report.

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 the above is a true and correct report of official tractor test No. 175.

Carlton L. Zink
Engineer-in-charge

E. E. Brackett

C. W. Smith

E. B. Lewis
Board of Tractor Test Engineers