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Larsen

January 1930

Test 175: Twin City Model KT 11-20

Tractor Museum

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UNIVERSITY OF NEBRASKA - AGRICULTURAL ENGINEERING DEPARTMENT
 AGRICULTURAL COLLEGE, LINCOLN

Copy of Report of Official Tractor Test No. 175

Dates of test: March 24th to April 12th, 1930.
 Name and model of tractor: TWIN CITY MODEL K T 11-20
 Manufacturer: Minneapolis-Moline Power Implement Co., Minneapolis, Minn.
 Manufacturer's rating: 11-20
 Highest rating permissible under the recommendations of the A.S.A.E. and
 S.A.E. Tractor Rating Codes: Drawbar - 14 H.P. Belt - 23 H.P.
 One carburetor setting (98% of maximum) was used thruout this test.

B R A K E H O R S E P O W E R T E S T S

H. P.	Crank : shaft	Speed : R.P.M.	Fuel Consumption : Gals. : per : hour	H. P. : H.P.	Lbs. @ : H.P.	Cool- : ing	In : fuel	Total : ing	Cool- : med.	Temp. : Deg. F.	Air : Inches of : Mercury	Barometer
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OPERATING MAXIMUM LOAD TEST. ONE HOUR

25.83	: 1000	: 2.585	: 9.99	: 0.677	: 0.00	: 0.00	: 0.00	: 0.00	: 183	: 66	: 28.73
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RATED LOAD TEST. ONE HOUR

19.99	: 1001	: 2.037	: 9.81	: 0.687	: 0.00	: 0.00	: 0.00	: 0.00	: 162	: 65	: 28.72
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*VARYING LOAD TEST. TWO HOURS

19.81	: 991	: 2.030	: 9.76	: 0.691	: --	: --	: --	: --	: 163	: 66	: --
1.20	: 1085	: 0.979	: 1.23	: 5.500	: --	: --	: --	: --	: 178	: 73	: --
10.55	: 1053	: 1.438	: 7.34	: 0.918	: --	: --	: --	: --	: 181	: 65	: --
21.68	: 839	: 1.967	: 11.02	: 0.612	: --	: --	: --	: --	: 180	: 65	: --
5.45	: 1084	: 1.255	: 4.34	: 1.552	: --	: --	: --	: --	: 178	: 64	: --
15.47	: 1030	: 1.780	: 8.69	: 0.776	: --	: --	: --	: --	: 165	: 64	: --
13.04	: 1014	: 1.575	: 8.28	: 0.814	: 0.00	: 0.00	: 0.00	: 0.00	: 175	: 66	: 28.72

*20 minute runs. Last line is average for two hours.

D R A W B A R H O R S E P O W E R T E S T S

H. P.	Draw : Bar	Speed : miles : per : hour	Crank : shaft : speed : R.P.M.	Slip : on : drive : wheels : %	Fuel Consumption : Gal. : per : hr. : gal.	Lbs. : per : H.P. : per : hour	Water : used : Gal. : per : hour	Temp. : Cool- : Air : Inches of : Mercury	Barometer
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RATED LOAD TEST. TEN HOURS. Intermediate GEAR.

11.87	: 1327	: 3.35	: 1003	: 6.32	: 2.201	: 5.40	: 1.249	: 0.032	: 172	: 78	: 28.81
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MAXIMUM LOAD 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

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Copy of Report of Official Tractor Test No. 175

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