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Larsen

January 1921

Test 076: Best 60 35-55 h.p.

Nebraska Tractor Test Lab

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Copy of Report of Official Tractor Test No. 76
(Corrected)

Drawbar Horse Power Tests

H.P. Dev.	:Draw :Bar :Pull :Lbs.	:Speed :Miles :Per :Hour	:Crank :Shaft :Speed :R.P.M.	:Slip :on :Drive :Wheels	:Fuel Consumption:			:Temp. Deg. F.:		:Height :Average :Humidity :Barometer
					:Amt. :Per :Gals.	:H.P. :Hrs. :Gal.	:Used :Per :Gals.	:Cooling :Air :Fluid	:Average :Humidity :Barometer	

Rated Load Test, Ten Hours

35.31	: 5093	: 2.60	: 592	: 1.25	: Gaso.	: 5.66	: 6.24	: 0.16	: 187	: 86	: 49	: 28.70
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Maximum Load Test

48.80	: 7500	: 2.44	: 564	: 2.0	: Gaso.	: --Not Recorded--	: 195	: 80	: 48	: 28.80	
50.20	: 11000	: 1.71	: 642	: 6.8	: "	: "	: "	: 170	: 80	: 48	: 28.80

*Taken in discharge line from engine.

Remarks: The first maximum and rated tests were run in high gear. The second maximum test was made in low gear.

** Note: For computing slippage the outside length of track was measured.

Oil Consumption: During the complete test consisting of about 45 hours running the following oil was used: For the engine, 11½ gallons of Mobiloil A; For the transmission, 12 gallons of Mobiloil C To fill at start.

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Repairs and Adjustments:

After 12 hours of limber-up run the valves were ground and the manufacturer's representative asked for and was granted 12 hours additional time for limbering up.

Before any of the official data were taken the air cleaner was removed and will not be standard equipment. Also changed carburetor horn from $1\frac{3}{4}$ " to 2". The belt horse power rating was changed from 60 to 55 horse power.

At the end of the test the tractor was in good operating condition and there was no indication of undue wear in any part nor of any weakness which might require early repairs.

Brief Specifications: "Best 60", 35-55 H.P.

Motor: Own, 4 cylinder, vertical, valve-in-head; bore $6\frac{1}{2}$ ", stroke $8\frac{1}{2}$ "; rated speed: 650 r.p.m. rated H.P.: belt 55, drawbar 35..

Chassis: Track Layer, disc clutch. Rated speeds: low $1\frac{7}{8}$ miles per hour; high $2\frac{5}{8}$ miles per hour.

Total weight: 17,500 pounds.

General Remarks:

In the advertising literature submitted with the applications for test of this tractor we find some statements and claims which cannot be directly compared with the results of this test. It is our opinion that none of these are excessive or unreasonable.

We believe the name "Best 60" and characters "60 H.P." cast in radiator shell are misleading.

We, the undersigned, certify that above is a true and correct copy of report of official tractor test No. 76.

Fred R. Nohavec
Engineer-in-Charge

Oscar W. Sjogren

E. E. Brackett

C. E. Smith

Board of Tractor Test Engineers