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January 1923

Test 098: Best 60 40-60

Nebraska Tractor Test Lab

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AGRICULTURAL COLLEGE, LINCOLN

Dates of test: September 10th to September 14th, 1923.

Name, model and rating of tractor: "Best 60" 40-60

Serial No. Engine: 3635

Serial No. Chassis A-1429

Manufacturer: C. L. Best Tractor Company, San Leandro, California

Tractor equipment used: Bosch ZR4 - 3449020 Magneto - Stromberg M4 - 1951417 Carb.

Style and dimensions of wheel lugs: "V" Shoes - Track Type.

	Fuel Consumption	Water Consump.	Temp.	%:
	Gals. Per Hour	Deg.Fe:	Average Humidity	Height of Barometer Inches
H.P. : Crank Time :	:	:	:	:
Dev. : Shaft : of :	Kind : Gals.: H. P.:	Cool-: In : Total:	Cool-: Air:	:
: Speed : Test :	of : @ : Hrs. @ :	ing : Fuel :	ing :	:
: R.P.M. : Min.:	Fuel : Hour : Gal. :	:	: Fluid:	:

60.45: 652 : 120 : Gaso : 8.374: 7.22 : 0.00 :0.00 : 0.00 : 189: 91: 40: 28.89
Belt Slippage 1.65%

60.42:650.5	: 10	:	Gas:	:	:	:	:	:	:	:	:	:	:
61.13:649.5	: 10	:	"	:	:	:	:	:	:	:	:	:	:
1.04:698.5	: 10	:	"	:	:	:	:	:	:	:	:	:	:
16.36:696.0	: 10	:	"	:	Average Belt Slippage 1.16%				:	:	:	:	
32.28:689.0	: 10	:	"	:	:	:	:	:	:	:	:	:	:
47.42:675.5	: 10	:	"	:	:	:	:	:	:	:	:	:	:
37.19:676.5	: 60	:	Gas:	6.019	: 6.18	: 0.00	: 0.00	: 0.00	: 157	: 55	: 66	: 29.00	:

65.87 : 652 : 60 : Gaso : 8.926 : 7.37 : 2.00 : 0.00 : 2.00 : 210 : 92 : 40 : 28.90
Belt Slippage 1.75%

31.71: 675 : 60 : Gaso : 4.613 : 6.87 : 0.00 : 0.00 : 0.00 : 146 : 65 : 66 : 29.03
Belt Slippage 0.97%

* Taken in discharge line from engine.

*** The last line is an average for the hour.

REMARKS: The gasoline used as fuel in this test weighed 6.20 pounds per gallon.

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DRAWBAR HORSE POWER TESTS

H. P.	Dev.	Draw	Speed	Bar	Miles	Per	Hour	R.P.M.	Speed	Slip	on	Drive	Wheels	***	Fuel Consumption	Amt.	H.P.	Used	Temp. Deg. F.	Average	Humidity	Height of Barometer in Inches
															Kind	Per	Hrs.	Per	Cooling: Air	%		
															Used	Hour	Per	Hour	Fluid			
															Gal.	Gal.	Gals					

RATED LOAD, TEN HOURS

41.26	5969	2.59	668	0.70	Gas	6.546	6.30	0.076	162	69	39	28.94
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MAXIMUM LOAD TEST

54.85	8430	2.44	650	1.50	Gas	— NOT RECORDED —			170	68	44	29.05
53.52	10370	1.94	656	2.56	"	"	"		170	68	44	29.05
51.85	5800	3.35	603	0.87	"	"	"		170	68	44	29.05

* Taken in discharge line from engine.

*** The distance advanced by the tractor without load, on level earth, for one complete revolution of the tracks, was used as a basis for computing track slippage.

REMARKS: The rated load test and the first maximum test were made in second gear. The second maximum test was run in low gear. The third maximum test was run in high gear.

OIL CONSUMPTION:

During the complete test consisting of about 34 hours running the following oil was used:
For the engine, 6 gallons of Mobiloil "A" to fill crank case. None was added during the test.
For the transmission, none.

Copy of Report of Official Tractor Test No. 98.

REPAIRS AND ADJUSTMENTS

During this test there were no adjustments or repairs necessary.

At the end of the test the tractor was in good running order and there were no indications of undue wear nor of any weakness which might require early repair.

BRIEF SPECIFICATIONS

"Best 60"

Motor: Own, four cylinder, vertical, valve-in-head. Bore - 6-1/2" stroke - 8-1/2". Rated speed 650 r.p.m. Own governor.

Chassis: Track type, disc clutch, Rated speeds: first - 1-7/8 miles per hour, second - 2-5/8 miles per hour, third - 3.6 miles per hour.

Total weight - 18560 pounds.

REMARKS

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

We, the undersigned, certify that above is a true and correct report of official tractor test No. 98.

E. E. Brackett
Engineer in Charge

Oscar W. Sjogren

C. W. Smith

Fred R. Nohavec
Board of Tractor Test Engineers