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Nebraska Tractor Tests

Tractor Test and Power Museum, The Lester F.  
Larsen

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January 1929

## Test 169: Case Model CC

Nebraska Tractor Test Lab

University of Nebraska-Lincoln, [tractortestlab@unl.edu](mailto:tractortestlab@unl.edu)

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Copy of Report of Official Tractor Test No. 169

Manufacturer: J. I. Case Company, Racine, Wisconsin.

:Crank	:	:	:	:Water consumption	:	:Temp.	:	:	:
:shaft	:	Fuel Consumption	:	:per hour gallons	:	:Deg. F.	:	:Barometer	:
H. P. :speed	:Gals.	:H. P. :Lbs. @	:	:Cool- :In :	:	:Cool- :	:	:Inches of	:
:R.P.M.	:per	:hrs. @	:H.P.	:ing	:fuel	:Total	:ing	:Air	:Mercury
:	: hour	:gal. :hour	:	:	:	:	:med.	:	:

28.97 : 1101 : 2.880 : 10.06 : 0.682 : 0.0 : 0.0 : 0.0 : 207 : 79 : 29.00

27.37 : 1098 : 2.601 : 10.52 : 0.652 : 0.0 : 0.0 : 0.0 : 202 : 70 : 28.64

27.35	: 1100	: 2.606	: 10.50	: 0.654	: 0.0	: 0.0	: 0.0	: 204	: 78	:
0.97	: 1203	: 1.006	: 0.96	: 7.113	: 0.0	: 0.0	: 0.0	: 193.5	: 77	:
14.90	: 1183	: 1.898	: 7.85	: 0.874	: 0.0	: 0.0	: 0.0	: 193.5	: 77	:
29.68	: 1099	: 2.799	: 10.60	: 0.647	: 0.0	: 0.0	: 0.0	: 211.5	: 78	:
7.30	: 1175	: 1.338	: 5.46	: 1.258	: 0.0	: 0.0	: 0.0	: 198	: 77	:
21.46	: 1147	: 2.309	: 9.29	: 0.738	: 0.0	: 0.0	: 0.0	: 195	: 77	:
17.29	: 1149	: 1.993	: 8.68	: 0.791	: 0.0	: 0.0	: 0.0	: 199	: 77	: 28.70

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

	:Draw	:Speed	:Crank	:Slip	:Fuel Consumption	:Water:	Temp.	:		
	:Bar	:miles	:shaft	:on	:	:H. P.:	Lbs. used	:	:	: Barometer
H. P.:	:pull	:per	:speed	:drive	:Gal.	:hrs. :	:per	:Gal.	:Cool-	:Air
	:pounds:	:hour	:R.P.M.	:wheels	:per	:per	:H.P.	:per	:ing	:Inches of
	:	:	:	: %	:hour	:gal.	:hour	:hour	:med.	:Mercury

17.88 :1599 : 4.19 : 1104 : 3.01 : 2.377: 7.52:0.912: 0.0 :190 :72 : 28.92

20.91	:2038	: 3.85	: 1084	:10.25	:-----Not recorded-----	:190	:80	: 28.75
18.34	:1187.5	: 5.79	: 1099	: 2.06	:	:	:182.5	:64 : 29.00
22.70	:2950	: 2.88	: 1111	: 6.30	:	:	:196.5	:59.5 : 29.00

UNIVERSITY OF NEBRASKA AGRICULTURAL ENGINEERING DEPARTMENT  
AGRICULTURAL COLLEGE, LINCOLN  
Copy of Report of Official Tractor Test No. 169

BRIEF SPECIFICATIONS

MOTOR: Make Own Serial No. 300219 Type 4 Cylinder vertical  
Head "I" Mounting Lengthwise  
Bore and stroke 3-7/8 x 5 1/2 in. Rated R.P.M. 1100  
Port Dia. Valves: Inlet 1 1/2" Exhaust 1 1/2"  
Belt pulley: Diam. 10 1/4 in. Face 6 1/2 in. R. P. M. 973  
Magneto: Robert Bosch Model "FU4"  
Carburetor: Kingston Model "L3V" Size 1 1/4"  
Governor: Own No.  Type Fly-ball  
Air Cleaner: Own Type Oil filter  
Lubrication: Pressure

CHASSIS: Type 4 wheels Serial No. 300219 Drive Enclosed gear and chain  
Clutch: Twin disc Type plate operated by hand  
Advertised speeds, miles per hour: Low 2.60  
Intermediate 3.72 High 5.14 Reverse 2.95  
Drive wheels: Diameter 48" Face 8 1/4"  
Lugs: Type Spade No. per wheel 24 Size 4" high x 3.8" face  
Extension rims: Width None Seat Pressed steel  
Total weight as tested (with operator) 4240 pounds.

FUEL AND OIL

Fuel: Kerosene Weight per gallon 6.86  
Oil: Mobiloil A To fill crankcase 2 3/4 gallons  
Additional amount used during test 1 1/2 gallons  
Total number of hours of test 40



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REPAIRS AND ADJUSTMENTS

It was necessary to raise the oil level in the transmission approximately one inch for the belt 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 the above is a true and correct report of official tractor test No. 169.

Lew Wallace  
Engineer-in-Charge

E. E. Brackett

E. B. Lewis

C. W. Smith  
Board of Tractor Test Engineers