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Nebraska Tractor Tests

Tractor Test and Power Museum, The Lester F. Larsen

January 1932

Test 202: Cletrac Model 15

Nebraska Tractor Test Lab

University of Nebraska-Lincoln, tractortestlab@unl.edu

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Copy of Report of Official Tractor Test No. 202

One carburetor setting (99.2% of maximum) was used thruout this test.

H. P.	:Crank :	Fuel Consumption	: Water consumption :	Temp. :	
	:shaft :		: per hour gallons :	Deg. F. :	:Barometer
	: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. :	:

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

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

20.97:	4444	:	1.77	:	1253	:	9.91	:	-----:Not Recorded	:	-----: 182	:	75	:	28.660
22.14:	3008	:	2.76	:	1250	:	2.23	:	-----: " "	:	-----: 185	:	73	:	28.735
20.07:	1887	:	3.99	:	1248	:	0.95	:	-----: " "	:	-----: 184	:	80	:	28.650

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AGRICULTURAL COLLEGE, LINCOLN

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BRIEF SPECIFICATIONS

MOTOR: Make Hercules Serial No. 227158 Type 4 Cylinder, Vertical
Head L Mounting Lengthwise
Bore and stroke: 4" x 4 1/2" Rated R.P.M. 1250
Port Dia. Valves: Inlet 1 1/2" Exhaust 1 3/8"
Belt pulley: Diam. 10 1/2" Face 6 1/2" R.P.M. 1042
Magneto: Eisemann Model G L 4
Carburetor: Tillotson Model P-1-B Size 1 1/8"
Governor: Hercules No. None Type Flyball
Air Cleaner: Vortex Type Wet sump and wire mesh
Lubrication: Pressure

CHASSIS: Type Tracklayer Serial No. 1138 Drive Enclosed gear
Clutch: Borg & Beck Type Single plate, dry operated by foot pedal
Advertised speeds, miles per hour: Low 1.95
Intermediate 2.80 High 4.00 Reverse 1.83
Measured length of track: 15.028 feet Face 11 inches
Lugs: Type Rolled steel cleats No. per track 27 Size 11" long, 1 5/8" high
Extension rims: None
Seat: Upholstered
Total weight as tested (with operator) 6100 pounds.

FUEL AND OIL:

Fuel: Gasoline Weight per gallon 6.07 pounds
Oil: S.A.E. Viscosity No. 50 The oil was drained once -
Total oil to motor 1.473 gallons at the end of the test.
Total drained from motor 0.837 gallon
Total time motor was operated 49 hours

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REPAIRS AND ADJUSTMENTS

No repairs or adjustments.

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.

The track and lug equipment used in the drawbar tests is the same as that described 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.

We, the undersigned, certify that the above is a true and correct report of official tractor test No. 202.

Carlton L. Zink
Engineer-in-charge

E. W. Brackett

C. W. Smith

E. B. Lewis

Board of Tractor Test Engineers