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Nebraska Tractor Tests

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Larsen

January 1928

Test 148: Lauson S12 20-35

Nebraska Tractor Test Lab

University of Nebraska-Lincoln, tractortestlab@unl.edu

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29.63	:	3259	:	3.41	:	1093	:	5.48	:	-- NOT RECORDED --	:	176	:	55	:	28.85
28.53	:	5140	:	2.08	:	1133	:	18.91	:	-- NOT RECORDED --	:	175	:	60	:	28.69

UNIVERSITY OF NEBRASKA AGRICULTURAL ENGINEERING DEPARTMENT
AGRICULTURAL COLLEGE, LINCOLN

Copy of Report of Official Tractor Test No. 148.

BRIEF SPECIFICATIONS

MOTOR: Make: Le Roi Serial No. 901-19 Type 4 cylinder vertical
Head: "I" Mounting Lengthwise
Bore and stroke: 4-1/2 x 6 in. Rated R.P.M. 1100
Port Dia. Valves: Inlet 1-15/16 Exhaust 1-15/16
Belt pulley: Diam. 16 in. Face 8 in. R.P.M. 697
Magneto: American Bosch Model ZR4
Carburetor: Tillotson Model R2 Size 1-1/4
Governor: Taco No. 6918 Type Fly-ball
Air Cleaner: Taco Type Water
Lubrication: Force feed and splash

CHASSIS:

Type 4 wheels Serial No. 3800 Drive Enclosed gear
Clutch: Twin disc Type Dry plate Operated by Hand
Advertised speeds, miles per hour: Low 2-1/4 - 2-1/2
High 3-1/4 - 3-1/2 Reverse 2
Drive wheels: Diameter 48" Face 12"
Lugs: Type Spade No. per wheel 32 Size 5" x 3" x 6"
Extension rims: Width 6" Seat Pressed steel
Total weight as tested (with operator) 6228 pounds.

FUEL AND OIL

Fuel: Gasoline Weight per gallon 6.20
Oil: Mobiloil "BB" To fill crankcase 2 gallons
Additional amount used during test 4.25 gallons
Total number of hours of test 46

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REPAIRS AND ADJUSTMENTS

All spark plug gaps were adjusted to 0.025". At the end of the belt tests number two cylinder had a leaky exhaust valve, all valves were ground and carbon removed. The carburetor float valve was leaking at the end of the test.

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 above is a true and correct report of official tractor test No. 148.

Lew Wallace
Engineer-in-Charge

Oscar W. Sjogren

E. E. Brackett

C. W. Smith
Board of Tractor Test Engineers