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January 1936

Test 262: Cletrac Model FG

Nebraska Tractor Test Lab

University of Nebraska-Lincoln, tractortestlab@unl.edu

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UNIVERSITY OF NEBRASKA - AGRICULTURAL ENGINEERING DEPARTMENT
 AGRICULTURAL COLLEGE, LINCOLN

Copy of Report of Official Tractor Test No. 262

BRIEF SPECIFICATIONS

MOTOR: Make Hercules Serial No. 320821 Type 6 cylinder, vertical
 Head L Mounting Crankshaft lengthwise
 Bore and stroke: 5 3/4" x 6" Rated R. P. M. 1120
 Port Diam. Valves: Inlet 2 1/8" Exhaust 2"
 Belt pulley: Diam. 24 1/2" Face 15" R. P. M. 509
 Magneto American Bosch Model MJA6B-102
 Carburetor Tillotson Model YX1BX Size 2"
 Governor Hercules No. -- Type Centrifugal
 Air Cleaner Vortex Type Intake deflector and oil-washed, wire-filter
 Lubrication Pressure

CHASSIS: Type Tracklayer Serial No. 882 Drive Enclosed gear
 Clutch Long Type two-plate, dry Operated by Foot pedal
 Advertised speeds, miles per hour: First 1.75 Second 2.5
 Third 4.3 Reverse 2.1
 Measured length of track 23.1000 feet Face 20"
 Lugs: Type Removable cast steel cleats No. per track 28
 Size 20" long x 3" high
 Seat Upholstered
 Total weight as tested (with operator) 26,670 pounds.

FUEL AND OIL:

Fuel Gasoline (68-70 Octane) Weight per gallon 6.16 pounds.
 Oil S.A.E. Viscosity No. 30
 Total oil to motor 7.350 gallons
 Total drained from motor 4.168 gallons
 Total time motor was operated 49 hours

The oil was drained
 once - at the end
 of the test.

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REPAIRS AND ADJUSTMENTS

No repairs or adjustments.

REMARKS

All results shown on page 1 of this report were determined from observed data and without allowances, additions or deductions. Tests B and F were made with carburetor set for 100% maximum horsepower and these figures were used in determining the ratings recommended by the A.S.A.E. and S.A.E. tractor rating codes. Tests C, D, E, G and H were made with an operating setting of the carburetor (selected by the manufacturer) of 100% of maximum horsepower.

Observed maximum horsepower (tests B & F) Drawbar 87.85 Belt 104.16

Sea level (calculated) maximum horsepower Drawbar 94.00 Belt 110.93
(Based on 60° F. and 29.92" Hg.)

Highest permissible horsepower ratings Drawbar 70.50 Belt 94.29
(as recommended by A.S.A.E. and S.A.E. codes)

We, the undersigned, certify that the above is a true and correct report of official tractor test No. 262.

Carlton L. Zink
Engineer-in-charge

E. E. Brackett

C. W. Smith

L. W. Hurlbut
Board of Tractor Test Engineers