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Larsen

January 1930

Test 180: Oliver Hart-Parr 18-28

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UNIVERSITY OF NEBRASKA - AGRICULTURAL ENGINEERING DEPARTMENT
AGRICULTURAL COLLEGE, LINCOLN

Copy of Report of Official Tractor Test No. 180

BRIEF SPECIFICATIONS

MOTOR: Make Own Serial No. 248958 Type Vertical
Head "I" Mounting Lengthwise
Bore and stroke: 4 1/8" x 5 1/4" in. Rated R.P.M. 1190
Port. Dia. Valves: Inlet 1 3/4" Exhaust 1 3/4"
Belt pulley: Diam. 14 1/4" in. Face 7 1/2" in. R.P.M. 726
Magneto: American Bosch Model U4D2
Carburetor: Ensign Model KZ Size 1 1/4"
Governor: Own No. ----- Type Weight
Air Cleaner: Donaldson 2 unit Type Centrifugal and oily fibre
Lubrication: Pressure

CHASSIS: Type 4 wheels 2 drivers Serial No. 101763 Drive Enclosed gear
Clutch: Borg and Beck Type Single plate operated by foot
Advertised speeds, miles per hour: Low 2.6
Intermediate 3.2 High 4.15 Reverse 2.9
Drive wheels: Diameter 44" Face 10"
Lugs: Type Spade No. per wheel 24 Size 5" high, 3 3/8" wide
Extension rims: width -----
Seat Pressed steel
Total weight as tested (with operator) 4420 pounds

FUEL AND OIL:
Fuel: Kerosene weight per gallon 6.74 pounds
Oil: S. A. E. Viscosity No. 30
Total oil to motor 2.214 gallons
Total drained from motor 2.518 gallons
Total time motor was operated 51 hours

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

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REPAIRS AND ADJUSTMENTS

During the rated drawbar test a lug bolt was lost and the lug bent. The lug was replaced with a new one.

REMARKS

The tests herein reported were conducted with one carburetor setting which remained unchanged thruout the tests. This condition should be recognized when comparing this test with any Nebraska test conducted prior to 1928.

The drawbar tests were run with drive wheels equipped with spade lugs as listed on Page 2 of this report.

No advertising literature was submitted with the specifications and application for test of this tractor, the manufacturer stating that no publications of this nature had been issued. Consequently, no comparison of results of the test with advertised claims or statements could be made.

We, the undersigned, certify that the above is a true and correct report of official tractor test No. 180.

Carlton L. Zink
Engineer-in-charge

E. E. Brackett

C. W. Smith

E. B. Lewis
Board of Tractor Test Engineers.