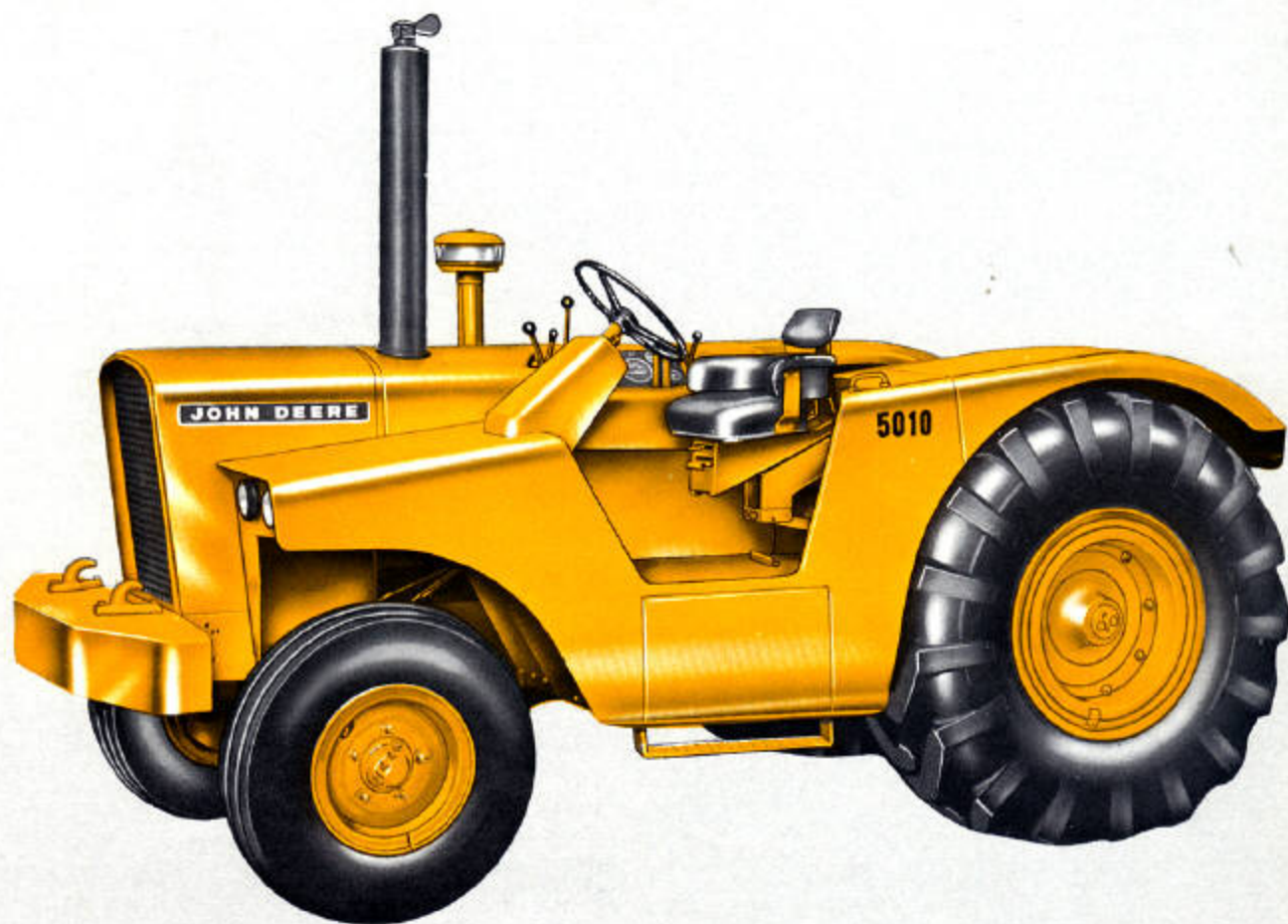
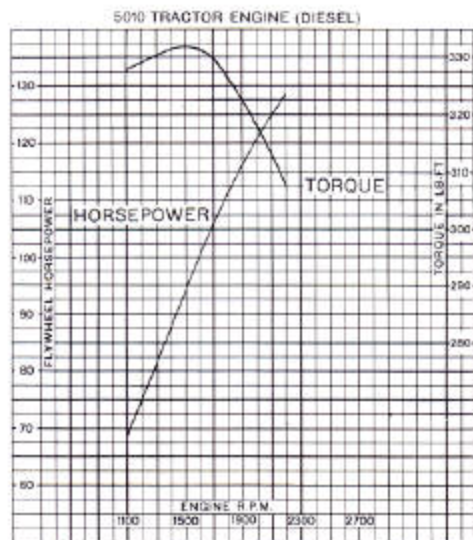




5010I TRACTOR



ENGINE PERFORMANCE



CURVES SHOWN ARE FOR A COMPLETE ENGINE DIRECT CONNECTED TO AN ELECTRIC DYNAMOMETER. DATA SHOWN ARE OBSERVED.

129 flywheel horsepower—6-cylinder John Deere Diesel engine

Big lugging power for pulling scrapers, compactors, disks, and other drawn or semi-integral machines—for road-building, commercial- or homesite development, earth-dam construction, land leveling, and many other earthmoving jobs

Produces 15,410 lb. rimpull

Forward speeds from 2.6 to 26 miles per hour—8 selections

Power steering

Oscillating front axle insures stability and operator comfort during operation over rough terrain

Hydraulic-power-actuated brakes—individual or simultaneous pedal control



SPECIFICATIONS

(Specifications and design are subject to change without notice. Wherever applicable, specifications are in accordance with I.E.M.C. Standards)

▲HORSEPOWER (at 2,200 rpm):
Observed net engine flywheel..... 129

▲TRAVEL SPEEDS AND RIMPULLS (2,200 engine rpm, 28.7 loaded radius):

Shift Lever Position	Travel Speed (MPH) w/18.00-25 Tires	Rimpull* (Lb.)
1st	2.6	15,410
2nd	4.1	9,777
3rd	5.4	7,420
4th	6.9	5,800
5th	8.6	4,660
6th	11.3	3,540
7th	14.7	2,720
8th	23.9	1,680
8th - Engine fast idle - 2400 rpm	26.11	*Rimpull—calculated for each ground speed using 82.8% of net engine fly-wheel horsepower. Actual pulls will be limited by weight and traction.
Rev. 1	5.3	
Rev. 2	8.4	
Rev. 3	14.2	

ENGINE: Vertical, 6 cylinder, valve-in-head, 4-stroke cycle, Diesel.

Bore and stroke..... 4-3/4 x 5
Piston displacement..... 531 cu. in.
Compression ratio..... 16 to 1
Governed speed range..... 600-2,200 rpm
Maximum torque..... 329 lb. ft.
Rpm at maximum torque..... 1,300
N.A.C.C. or A.M.A. horsepower rated for tax purpose..... 54.2
Lubrication..... Full pressure, full flow with bypass relief valve, replaceable micron filter
Crankshaft..... Induction-hardened, counterbalanced
Main and connecting rod bearings..... Steel-backed, copper-lead-tin lined, removable.
Main bearings:
Number..... 7
Diameter..... 3-3/4 in.
Length..... 1.875 in.
Cooling..... Pressurized with water pump, thermostat and fixed bypass.
Governor..... Integral with injection pump
Fuel injection pump..... Opposed plunger, inlet metering, single cylinder distributor type
Air cleaner..... Dry type with air restriction indicator
Electrical system..... 24-volt (four 6-volt batteries) with alternator; 12-volt accessories.
Starting..... 24-volt electric starter

ENGINE CLUTCH..... Foot-operated, power assisted, spring-loaded, two 11-in. dry disks.

TRANSMISSION..... Manual transmission, constant mesh with synchronizers, 8 forward and 3 reverse selections.

FINAL DRIVE: Planetary type.
Gear reduction ratio in first gear..... 147.3 to 1
Gear reduction ratio in high gear..... 15.7 to 1

BRAKES..... Foot-operated individually or simultaneously. Hydraulic-power actuated, wet-disk type.

STEERING: Power. Entirely hydraulic—actuated by the central hydraulic pump.

Number of turns, far left to far right..... 4-2/3

▲Turning radius (brake applied)..... Approx. 150 in.

Vehicle clearance circle:
With brake..... Approx. 329 in.
Without brake..... Approx. 356 in.

▲HYDRAULIC SYSTEM..... A central hydraulic system, constant pressure. Oil supplied from transmission and differential. Variable-displacement pump driven from front of engine; maximum output at 2,200 rpm, 25.7 gpm at 2,000 psi. Provides power for power steering, power brakes, and dual selective control function for remote cylinders.

POWER TAKEOFF..... Special equipment. Independent "Live," 1,000 rpm rear PTO, vertical or horizontal; controlled by hydraulically actuated wet clutch.

TIRES (Sizes and Plies):

Front: 11.00-16, 12-ply Rib

▲ 10.00-15, 12-ply Heavy-duty truck

▲Rear: 18.00-25, 12-ply Tubeless, earthmover, 23.50-25, 12-ply Tubeless, earthmover.

WHEEL TREADS:

Front..... 69 in.

Rear..... 72 in. (18.00-25 tires)

72-3/16 in. (23.50-25 tires)

DIMENSIONS:

Height to top of hood..... 64-5/16 in.

Over-all height..... 108-3/8 in.

Over-all width..... 95-3/4 in.

Over-all length..... 157-1/8 in.

▲Wheelbase..... 95.5 in.

Ground clearance..... 13 in.

WEIGHT (approximate):

▲Shipping (11.00-16, 12-ply and 18.00-25, 12-ply tires)..... 13,550 lb.

▲Operating (no ballast)..... 13,900 lb.

CAPACITIES:

Cooling system..... 10 gal.

Fuel tank..... 49 gal.

Engine lubrication, including filter..... 12 qt.

Transmission-Hydraulic System..... 16 gal.

▲STANDARD EQUIPMENT:

Power steering

Deluxe seat with suspension

Water-temperature gauge

Drawbar

Ammeter

Muffler

Tachometer

Front, rear, and panel lights

Key-ignition switch

Fuel gauge

Starting-fluid applicator

Oil-pressure indicator light

Dry air cleaner with vertical air stack and cap

Cigarette lighter

Horn

Electric hour meter

OPTIONAL EQUIPMENT:

Tires: Sizes, plies, and types as listed

▲SPECIAL EQUIPMENT:

Dual remote cylinder control

Pre-cleaner

PTO 1000 rpm

Oil-heater element

Rear-wheel weights

Pre-screener

Rear counterweights

TED C. MILLER CO., INC.
GERING, NEB.