

2030 Tractor with 71hp

\$15



## We call this 2030 Tractor the Top Performer in its power class.

—for good reasons:

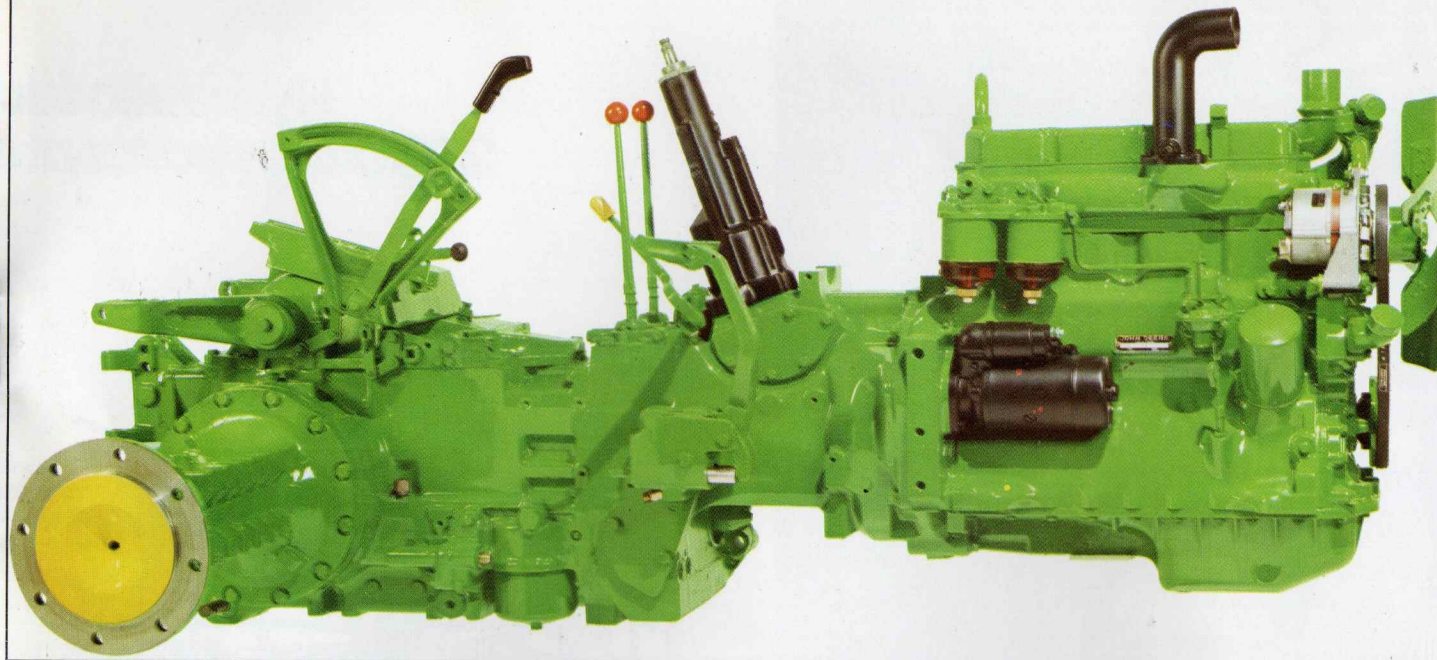
This is the most advanced engine power-train hydraulic package John Deere has ever offered in a tractor for your farm. Using your present equipment, this faster working new 2030 can cover more ground for higher productivity every day. To get the full advantage of this 71-hp Top Performer, let it run—not just walk—with heavy draft tillage equipment. And because it carries built-in working weight, you don't have to burden it with excessive dead cast-iron weights. The massive internal engine, transmission, and power train parts are hidden from view. But they are ready to deliver both higher field speeds and greater torque reserve than John Deere has ever before offered in a tractor of this size. On light loads, such as light harrowing, you get added fuel economy with speed—shift to a higher gear and slow the engine down. The engine's wide working range of 1400 to 2500 rpm gives you great flexibility for top performance on all jobs—heavy and light, around the year.

Along with high speed efficiency and remarkable ability to pull at a steady, productive pace up hills and through tough field conditions, you get:

New features for making operation easier and more enjoyable. Time proven hydraulics and other features that have always marked John Deere tractors as dependable, high performance leaders in their respective power classes.

**Get increased speed, cover more acres each day, and raise your productivity by hitching your present implements to a new John Deere Top Performer. No need to buy all new working equipment.**





## Top-performing transmission and final drive

The basic John Deere constant mesh, collar shift transmission is field proven, reliable and efficient. Now it is strengthened to match higher horsepower. Stronger bearings support the main transmission shaft and the High-Low shift. A bigger volume oil pump lubricates and cools the gears. The gear ratio has been improved to give a top speed of almost 27 kph (17 mph). High-Low shift is a popular performance booster. Move a dash mounted lever, without clutching, to increase pulling power by 27% and reduce ground speed by 21%. Great for pulling a plough through a hard soil spot-on-the-go.

This new Top Performer also offers the time proven differential lock that transmits power equally to both drive wheels. Engage it on-the-go in slippery spots . . . pull through, and it automatically disengages itself.

## Here are the precise reasons why this engine delivers Top Performance.

This new 4-cylinder, 71-hp diesel engine with its variable speed economy, fast working speeds, and high torque reserves tops the excellent performance of previous John Deere engines in this weight class. It delivers higher horsepower to weight, has stronger construction for durability and for heavy draft work.

### Study these excellent improvements and features. They promise you new earning power.

**Stronger engine blocks** and crankcase are cast in one piece for rigid durability . . . **bore is larger** for greater displacement and more power . . . **special combustion chambers** of new design, plus new position of the new 4-hole injection nozzles, and equalized injection lines set new high performance standards. They meter and thoroughly mix and vaporize fuel and air more precisely. Result: **more efficient combustion** over a wide range of speeds, less waste in exhaust gases, and easier starting . . .

Easy change **dual filters** keep fuel clean . . . A redesigned **special alloy carrier** for the top piston ring results in better sealing and longer service life . . . Replaceable, precision machined, **wet type cylinder** sleeves dissipate engine heat efficiently; bypass cooling and a **new fan** maintain proper operating temperature . . .

The **massive, precisely machined and balanced crankshaft** is fitted with **heavier connecting rods** and piston pins; the crankshaft is of forged, heat treated steel for maximum strength . . . **A larger oil pump** delivers positive lubrication to all vital moving parts . . . A new alternator replaces the generator to give full time battery charging as required—even at slow rpm . . . **A new light on the dashboard** tells you if the dry type air cleaner is choked and requires service.

# Hydraulic fun 2030 closed-centre

## Closed-centre hydraulic system carries a big load on demand—but steals no engine power when it's idle

The heart of this hydraulic system is the variable displacement pump. At your command, it springs immediately and positively into action. It applies tremendous force to lift heavy loads—or small amounts to do small but important jobs. And it's big and powerful enough to do several jobs at the same time. It meters hydraulic oil volume to match each function. Much of the time the pump just idles—although there's no power lag because the system is under constant pressure. So there is no waste of engine power, no stress on the pump, and no oil heating when no hydraulic work is being done.

### Remote hydraulic cylinders raise or lower equipment precisely—fast or slow

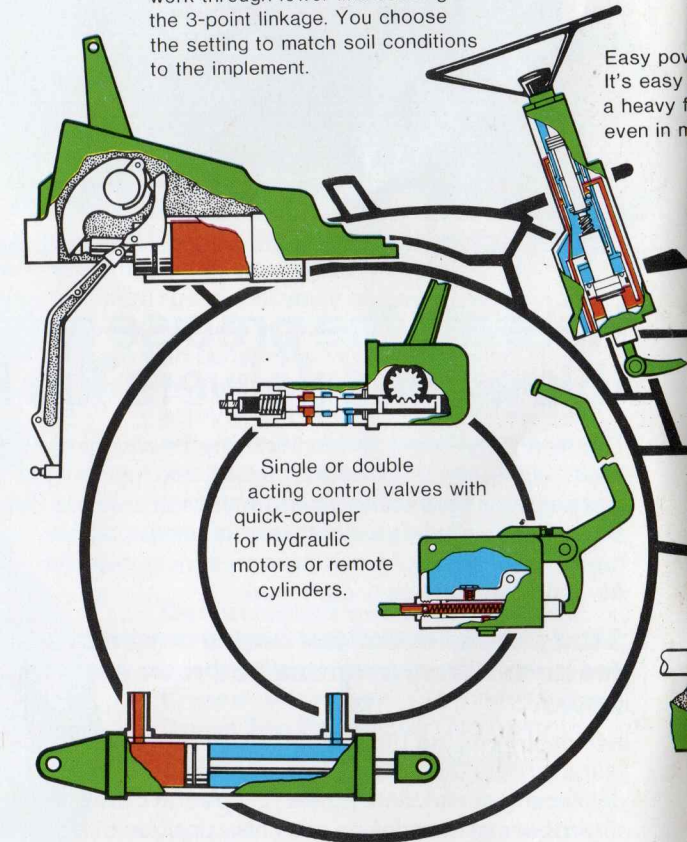
Modern farming requires remote cylinder power for many operations. The 2030 tractor offers one or two remote cylinder outlets, at your option. You control the rate and scope of each operation precisely with handy levers at the side of the seat.

### Hydraulically controlled independent power take-off provides 540 rpm shaft.

A hydraulically-operated fully independent rear PTO offers 540 rpm speeds as equipment. Engage or disengage the power shaft clutch with the tractor moving and under load. The John Deere stub shaft design adheres to established standards to ensure safe delivery of the correct drive speed.



Load and Depth control automatically turns out steady, uniform tillage work through lower link sensing of the 3-point linkage. You choose the setting to match soil conditions to the implement.



Single or double acting remote cylinder for front end loaders and trailed implements.

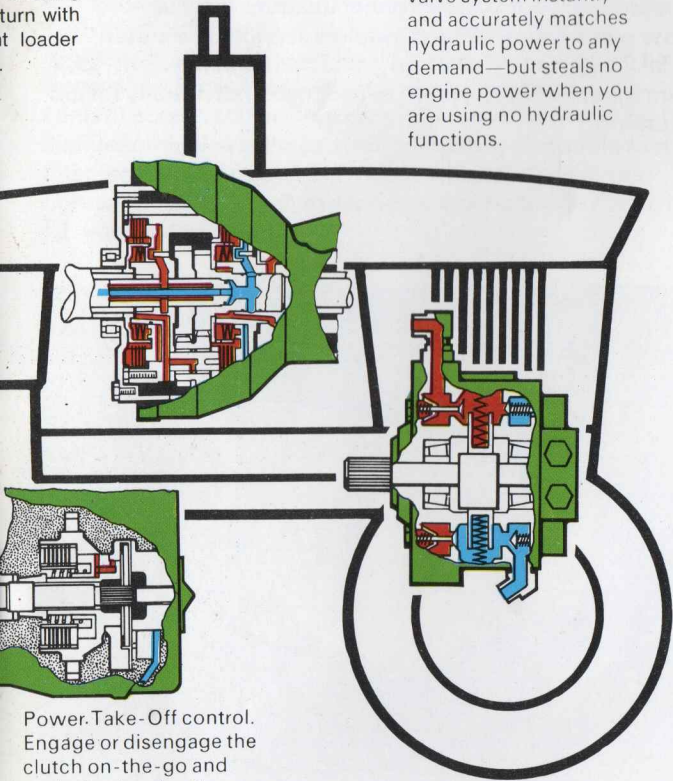
Fast, positive braking. Wet disc brakes are self adjusting, self balancing, run in a cooling oil bath, and require no maintenance.

# ctions of the e hydraulic system.

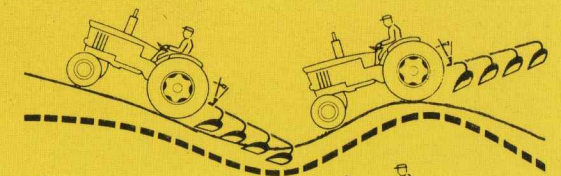
High-Low shift unit  
and transmission control  
valve.

Variable displacement  
pump with automatic  
valve system instantly  
and accurately matches  
hydraulic power to any  
demand—but steals no  
engine power when you  
are using no hydraulic  
functions.

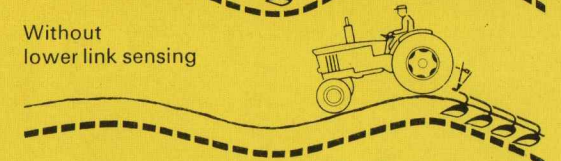
steering.  
turn with  
t loader



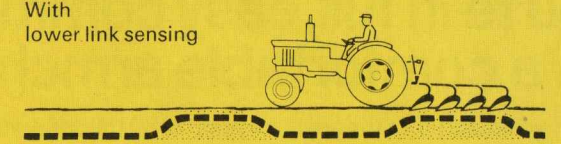
Power Take-Off control.  
Engage or disengage the  
clutch on-the-go and  
under load, using the  
convenient hydraulic  
lever.



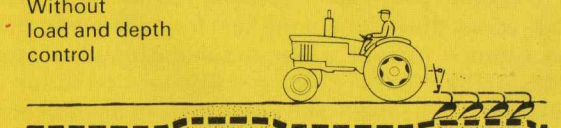
Without  
lower link sensing



With  
lower link sensing



Without  
load and depth  
control



With  
load and depth control

## Load and Depth control automatically delivers the ploughing performance you select to match your soil condition.

No matter what soil conditions you have on your farm, a John Deere Top Performer can help you do an excellent ploughing job—through exclusive hydraulic Load and Depth control. Set the selective hitch response according to conditions. Then, by lower link sensing of the 3-point hitch, the plough bottom (or other tillage tool) automatically turns out the kind of tillage you direct. **Use Load Control** in uneven ground where the load is fairly constant: The implement will rise or drop to maintain a constant load. **Use Depth Control** where field and soil

conditions are relatively uniform: The sensing unit is locked out and the working depth is pre-set for uniform work. **Use Load and Depth control** for general tillage work on uneven surfaces, with soils of varying density. Lower link sensing causes the hitch to raise the tool only enough to let the tractor pull through difficult conditions, and maintain a fairly uniform working depth. The selector may be moved to intermediate positions to suit a range of conditions. A "float" position permits drawn equipment with gauge wheels to follow ground contours.

## You're in full, easy command on a comfortable armchair seat.

When you step up to the seat of a new 2030 tractor, you're ready to operate your Top Performer in armchair comfort. You pre-adjust the height of the seat from the platform and set the distance, to front or rear, to suit the length of your legs. Adjust the shock absorbing spring tension to suit your weight. Then relax—and enjoy the satisfaction of using convenient, easy to reach controls to turn out a big day's work—with modern speed and efficiency. Count on the cushioned seat to give good support to your back and help prevent fatigue. Tilt the seat back if you want to stand and stretch your legs.

All controls are thoughtfully placed for your convenience. Your hands rest naturally on the steering wheel (power steering is standard equipment). The two gearshift levers and Power Take-off controls are conveniently located. High-Low shift lever is at the left, and a new turn signal is at the right of the dash panel. The dash, of non glaring black, holds all dials and gauges convenient for at-a-glance reading. Gauges are identified by international symbols.

Knobs of all levers are of distinctive shape and colour for easy identification and operating convenience. The panel grouping on your Top Performer includes a red light to show when the air cleaner requires service. The clutch pedal is at your left, and two brake pedals at the right; lock them together if you prefer, or use them individually for aid in turning.



## You will appreciate these additional features to make farming more enjoyable.

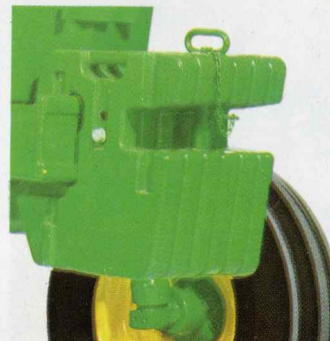
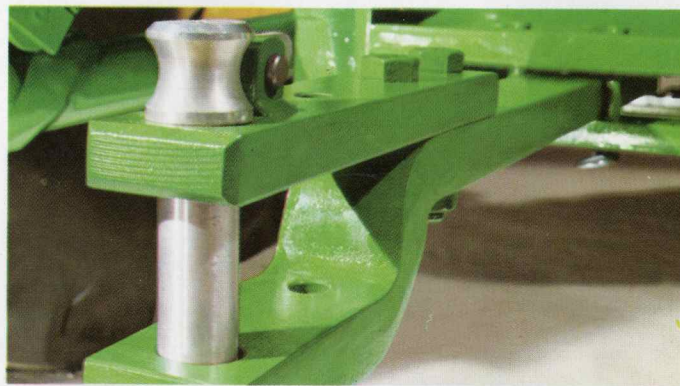
**Servicing** a 2030 tractor takes only a few minutes a day. Top mounted filler caps for fuel and water are close together in front of the engine. The fuel tank holds 75 litres (more than 16 gallons)—ample for a day's work. Convenient access screens are easy to remove for servicing the air filter and oil system (see photo below). A double fuel filter is mounted on the right side. A handy door in the bonnet ahead of the steering wheel opens for service to the 12-volt batteries.

### **Hitches:**

A drawbar with clevis is adjustable to three different lengths. A 3-point-hitch and hydraulic outlets are available.

### **Optional cast iron weights:**

Easy-on and easy-off for front end and rear wheels.



# Specifications:

(Specification and design subject to change without notice)

<b>Horsepower</b>	Metric	
Gross Engine (SAE J816)	72 hp	(71 hp)
Net Engine	68 hp	(67 hp)
P.T.O.	61 hp	(60.1 hp)

<b>Engine</b>	
No. of cylinders	4
Bore and stroke	102 x 110 mm (4.02 x 4.33 in.)
Displacement	3590 cm <sup>3</sup> (219 cu. in.)
Compression ratio	16.2 : 1
Operating range	1400 to 2500 rpm
Air cleaner	Dry type with pre-cleaner
Lubrication	Pressure system with full flow filter
Max Torque	22.5 mkp (163 ft lb) at 1400 rpm
Cooling	Liquid cooling with pump, thermostatically controlled

<b>Transmission</b>	
Type	Constant mesh collar shift with High-Low
Clutch	Single plate dry type
Speeds	16 Forward 4 Reverse Forward (as per attached list)
Final Drive	Planetary reduction gears
Differential Lock	Manual or via foot pedal
Brakes (Foot)	Hydraulically activated wet disc self adjusting self equalising
(Hand)	Band Brake acting on transmission

<b>Electrical System</b>	
Batteries	2 x 12 volt
Starter	12 volt 4 hp
Alternator	14 volt 28 amp
Lights	Sealed beam headlights, warning lights and rear worklight

<b>Hydraulic System</b>	
Type	Closed centre, constant pressure with variable displacement pump
Rated working pressure	144 kg/cm <sup>2</sup> (2048 kbs/sq. in.)
Standby pressure	158 kg/cm <sup>2</sup> (2250 lbs/sq. in.)
Hydraulic pump	Radial-piston, variable-displacement pump with automatic feed control
Number of remote outlets	One, double acting

<b>3-Point Hitch</b>	
Category	Cat I and II with lower link sensing
Lift capacity (maximum)	2360 kg (5203 lbs)
(through range)	1430 kg (3150 lbs)

<b>Power Take Off</b>	
	Fully independent hydraulically activated 540 rpm 'live' at approx. 2100 engine rpm

<b>Steering</b>	
Type	Hydrostatic power steering centrally sited
Turning radius w/o brakes	3700 mm (12 ft 2 in.)
with brakes	3160 mm (10 ft 4 in.)

<b>Tyres</b>	
Front (cast wheels)	7.50 x 16 6 pr
Rear (on cast wheels with flanged axles)	18.4 x 28 6 pr

<b>Capacities</b>	
Engine crankcase	5.7 litre (1.25 gal)
Fuel tank	75 litre (16.5 gal)
Cooling system	11.4 litre (1.5 gal)
Hydraulic system	36 litre (7.9 gal)

<b>Speeds</b>	
	SPEEDS on 18.4—28 TYRES

	GEAR	km/h	m.p.h.
1	Lo	1.88	1.17
	Hi	2.40	1.49
2	Lo	2.69	1.67
	Hi	3.43	2.13
3	Lo	4.00	2.48
	Hi	5.09	3.16
4	Lo	5.58	3.47
	Hi	7.11	4.41
5	Lo	7.40	4.59
	Hi	9.41	5.85
6	Lo	10.57	6.56
	Hi	13.45	8.35
7	Lo	15.68	9.74
	Hi	19.95	12.39
8	Lo	21.92	13.62
	Hi	27.90	17.33

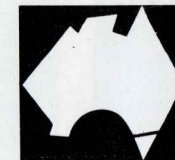
	GEAR	km/h	m.p.h.
R1	Lo	2.19	1.36
	Hi	2.79	1.73
R2	Lo	3.13	1.94
	Hi	3.98	2.47
R3	Lo	4.64	2.88
	Hi	5.91	3.67
R4	Lo	6.49	4.03
	Hi	8.26	5.13

<b>Dimensions</b>	
Height to top of muffler	(81.25 in)
Wheelbase	(81.75 in)
Width (min)	(69.5 in)
Overall length	(139.5 in)

<b>Standard equipment</b>	Lights, hand and foot throttle, alternator, fuel gauge, comfort seat, flashing warning lights, full instrumentation, tachometer.
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## The best replacement for a John Deere part is another John Deere part.

You save more in the long run by using genuine John Deere parts. The reason? They are exact duplicates of the originals—no if's, but's, or maybes. You get the same exact fit, same first-line quality, same dependable performance. Your Chamberlain Deere dealer has what you need for your equipment and it's quickly available. Depend on him.



**chamberlain deere**

Throughout our nation.