

# JOHN DEERE

440-IC



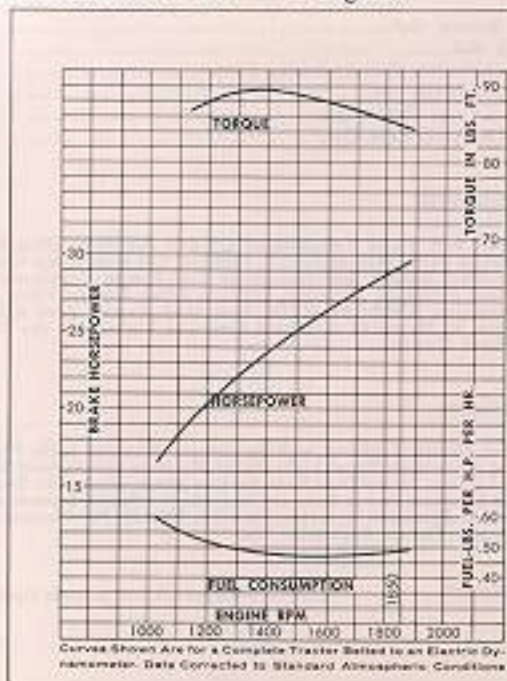
## 440 INDUSTRIAL CRAWLER

**NEW**

Here's the Look of the Future! It's the John Deere "440" Industrial Crawler—a crawler with new, modern appearance and new job-bossing brawn from seat to grille—from hood to tracks. What's more, it has many new features for outstanding performance and operating ease. Regular colors: industrial yellow with black trim as shown. Other colors available at extra cost.

### ENGINE PERFORMANCE

The chart below graphically shows the excellent torque, horsepower, and fuel consumption characteristics of the "440" engine.



### FEATURES

- Modern, Streamlined Styling
- Functional, Rugged Construction
- Proper Weight Distribution
- Outstanding Traction and Flotation
- Real Operator Comfort and Convenience
- Superior Steering-Braking System
- Excellent Maneuverability
- Clutch-Type Direction Reverser
- Dependable, Long-Lived Engine and Power Train
- Rugged, Easily Adjusted Track Assemblies

A brand-new industrial crawler—the ultra-modern "440"—now joins the John Deere line for bigger and better performance at lowest costs in the entire crawler field. It has many new features that make it the most rugged and efficient crawler in its class. The heavy-duty track-frame assemblies are typical of the new massive strength of the "440." Solid round steel cross members assure stability for fast, efficient loading and bulldozing, and yet allow flexibility to protect equipment and crawler against damage from sudden shocks.

Litho in U.S.A.



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A real time-saver is the new clutch-type direction reverser which allows forward or backward travel at the same speeds without shifting transmission gears. The clutch-brake steering system provides the kind of maneuverability that puts John Deere Crawlers in a class by themselves.

The well-known, dependable John Deere engine gives top performance with unmatched economy of operation and low-cost maintenance. Heavy-duty final drive housings hold bearings, shafts, and gears in perfect alignment. Housings also have

integral mounting pads for equipment such as backhoes, loaders, scarifiers, and other tools. Additional tool-mounting pads have been incorporated in the track frames and cross bars.

Extra-heavy side frames, fender-platforms, steel-plate hood, and a heavy-cast grille which requires no guard, are other features that make this a rugged crawler for new dependability and long life on rugged contracting jobs, road construction, and in woodwork.

## SPECIFICATIONS

(Subject to Change Without Notice)

### HORSEPOWER (Rated at Sea Level):

Drawbar .....	24.12
Engine .....	29.72

### SPEEDS Computed at Rated Governed Engine rpm:

	4-Speed Transmission		5-Speed Transmission	
First.....	1.14 mph	100 fpm	1.14 mph	100 fpm
Second....	2.21 mph	194 fpm	2.21 mph	194 fpm
Third.....	2.95 mph	260 fpm	2.95 mph	260 fpm
Fourth....	7.34 mph	646 fpm	3.85 mph	357 fpm
Fifth.....	.....	.....	7.34 mph	646 fpm
Reverse....	1.64 mph	144 fpm	1.64 mph	144 fpm

**DIRECTION REVERSER** ..... Provides each speed listed above in forward or reverse travel without shifting transmission gears.

### POWER TAKE-OFF:

Transmission-Driven....	Internal mechanism regular, stub shaft extra—560 rpm. Conforms to ASAE-SAE standards.
Front.....	Crankshaft pulley has 4 tapped holes and pilot to accommodate drive coupling.
High-Speed Drive.....	Splined coupling located inside transmission, 1850 rpm.
Belt Pulley.....	Extra equipment. Diameter 9 in.; face 6 in.; revolutions per minute, 1270; belt speed (feet per minute), 3000.

### ENGINE

Four Stroke Cycle, Valve-in-Head, Design	
Number of Cylinders.....	2
Bore and Stroke.....	4 1/2 x 4
Piston Displacement.....	115
Rated Governed Speed, rpm.....	1850
Piston Speed, Ft. per Min.....	1235
Maximum Torque, Lbs. Ft.....	90
Rpm at Maximum Torque.....	1500
N.A.C.C. or A.M.A. Horsepower Rated for Tax Purpose.....	14.45
Lubrication.....	Pressure system with by-pass-type filter
Crankshaft.....	Induction-hardened, counterbalanced
Main and Connecting Rod Bearings.....	Steel-backed, babbit-lined removable
Number of Main Bearings.....	2
Diameter, Main Bearings, In.....	2.398
Length, Main Bearings, In. (Total).....	4.523
Cooling.....	Pressurized with water pump, thermostat, and fixed by-pass
Governor.....	John Deere design—enclosed flyball type
Carburetor.....	Natural-draft type with load and idle adjustment
Ignition.....	Battery ignition with automatic spark advance
Air Cleaner.....	Oil-wash type

**STARTING** ..... 6-volt electric starting motor

**FUEL** ..... Regular grade gasoline

**FINAL DRIVE** ..... Induction hardened spur-gear type, Gears mounted on anti-friction type bearings.

Gear reduction ratio in first gear... 4-Speed 101 to 1; 5-Speed 101 to 1  
Gear reduction ratio in high gear... 4-Speed 16 to 1; 5-Speed 16 to 1

### CLUTCH

Engine—with 4- and 5-Speed Transmission..... 10-in. single disk, foot-operated.

**TRANSMISSION** ..... Selective sliding gear type with four forward speeds and one reverse. (5 forward speeds optional.)

### STEERING

Clutches..... Multiple-disk steering clutches  
Number of Friction Surfaces (Each Clutch)..... 14  
Brakes..... Contracting band

### TRACK AND TRACK FRAME

Track Frame..... 5-roller  
Track Shoes..... Choice of 10-in., 12-in., or 14-in. grusser; 12- or 14-in. snow; 10-in. rubber; 10- or 12-in. street type; 10- or 12-in. all-purpose  
Track Tread..... 48-in.  
Extra Equipment..... Sprocket shields  
Length Track on Ground..... 5-roller, 69 1/2-in.  
Total Ground Contact Area..... 10-In. Shoes 1385 Sq. In.  
12-In. Shoes 1662 Sq. In.  
14-In. Shoes 1939 Sq. In.

**TURNING RADIUS** ..... 6 1/2 feet (approx.)

### TRACTOR DIMENSIONS, Inches

Length, Over-All..... 105 1/2-in.  
Width, Over-All (Over idler brackets outside of 12-in. shoes)..... 61 3/4-in.  
Height, Top of Grille..... 50 3/4-in.  
Height Drawbar Above Ground (Measured from Lower Face of Standard Track Shoe)..... 13-5/16-in.  
Ground Clearance (At Rear Round Bar)..... 12-15/16-in.  
Drawbar, Lateral Movement at Pin..... 18-in.

### CAPACITIES (U.S. Standard Measures):

Cooling System, Gal..... 2 3/4  
Fuel Tank, Gal..... 10 3/4  
Engine Lubrication, Qts. (Including Filter)..... 5  
Transmission Case, Gal..... 2  
Final Drive Cases (Each), Qts..... 1 1/2  
Direction Reverser Case, Qts..... 2 3/4

### REGULAR EQUIPMENT

Oil Pressure and Water Temperature Gauges; Ammeter; Distributor-Type Ignition with Ignition Switch; Fuel and Oil Filters; Air Cleaner; Electric Starter; Battery and Generator; Coil-Spring Cushioned Adjustable Seat; Swinging Drawbar; Fenders; Front Bottom Plate; Continuous Running ASAE-SAE PTO (Stub Shaft Extra); Also a High-Speed Drive by Means of a Splined Coupling Located in the Transmission; Rock Guards.

### EXTRA EQUIPMENT

Belt Pulley; Electric Lighting with Equipment Warning Light Plug-In Socket and Instrument Panel Light; Hour Meter or Speed-Hour Meter; Cigarette Lighter; Heavy-Duty Rear Bottom Plate; Hydraulic Systems; ASAE-SAE Standard Power Take-Off Stub Shaft; 5-Speed Transmission; 3-Point Hitch; Direction Reverser; Sprocket Shields; Pre-Cleaner; Dry-Charge Battery; Deluxe Adjustable Seat.

**SHIPPING WEIGHT** ..... 5-Roller—6,300 pounds (approx.)



Enjoy greater profits—investigate the wide selection of John Deere and allied equipment for varied industrial uses.