

# 8010 Diesel Tractor



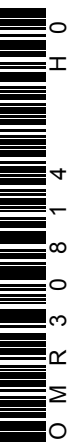
## OPERATORS MANUAL

8010  
Diesel Tractor

OMR30814 H0 English

OMR30814 H0

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ENGLISH



## To the purchaser

Your new John Deere 8010 Tractor is a powerful, versatile, heavyweight performer. Built to the traditionally high standards of John Deere, this tractor will handle large-capacity tools in the toughest field conditions at high speed and with unequalled economy. Added to the tractor's tremendous capacity for work are such modern features as four-wheel drive, power steering, air brakes, heavy-duty hydraulic clutch, "on the go" gear shifting, and oscillating front and rear sections which enable the tractor to cross over rough ground and cling to hillsides with great stability. New operating ease and comfort, hydraulic power when and where you need it, the ability to match engine power and transmission speed to any job, outstanding dependability, and simplicity of lubrication and service are all in this great new tractor.

When used with equally advanced John Deere tools and implements, your 8010 will deliver all the power you need for better, easier, and more profitable farming.

At the time the tractor was delivered, the John Deere dealer discussed with you its safe operation and proper care. However, before putting the tractor to work, read this manual. It contains complete instructions for operating the tractor, caring for it, and taking full advantage of its many time and labor-saving features.

After reading the manual, keep it in a convenient place for quick and easy reference if questions arise concerning operation, lubrication, or service.

The service policy which you received with your new tractor certifies that the tractor was properly inspected and prepared for delivery by your John Deere dealer. Keep this policy in a safe place and present it to the dealer whenever services which it authorizes are required.

Your John Deere dealer wants to help you get the most value from your new tractor. His skilled servicemen can handle every job efficiently. These men are trained in modern service methods and have all necessary tools and equipment.

When in need of parts, be prepared to furnish your dealer with the serial number of the tractor and the serial number of the engine or other component for which parts are required. This information will help the dealer give you quick, efficient service.

The tractor serial number plate is located on the left-hand side of the front section (bogie). The serial number of the engine is located on the right-hand side of the valve rocker arm cover. Serial numbers of other components are prominently displayed.





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# specifications

## POWER

Engine horsepower . . . . .	More than 200 h.p.
Drawbar pull . . . . .	9,000 to 11,000 lbs.

## SPEEDS

1st . . . . .	2 mph
2nd . . . . .	2-7/8 mph
3rd . . . . .	3-7/8 mph
4th . . . . .	5 mph
5th . . . . .	6-1/3 mph
6th . . . . .	8-1/8 mph
7th . . . . .	11 mph
8th . . . . .	14 mph
9th . . . . .	18 mph
Low reverse . . . . .	1-7/8 mph
High reverse . . . . .	5-5/8 mph

## ENGINE . . . . . GM 2-cycle, 6-cylinder

Bore . . . . .	4.25 in.
Stroke . . . . .	5.00 in.
Displacement . . . . .	425 cu. in.
Compression ratio . . . . .	17 to 1
Rated speed . . . . .	2100 rpm

## CAPACITIES (U.S. MEASUREMENTS)

Fuel tank . . . . .	106 gals.
Hydraulic system . . . . .	25 gals.
Cooling system . . . . .	12 gals.
Crankcase . . . . .	4.5 gals.
Transmission . . . . .	2.2 gals.
Drop housing case . . . . .	1.6 gals.
Axle housing and planetary . . . . .	7 gals.
Oil bath air cleaner . . . . .	1.6 gals.
Clutch and auxiliary reservoir . . . . .	9 gals.
Hydraulic pump housing . . . . .	3.3 qts.

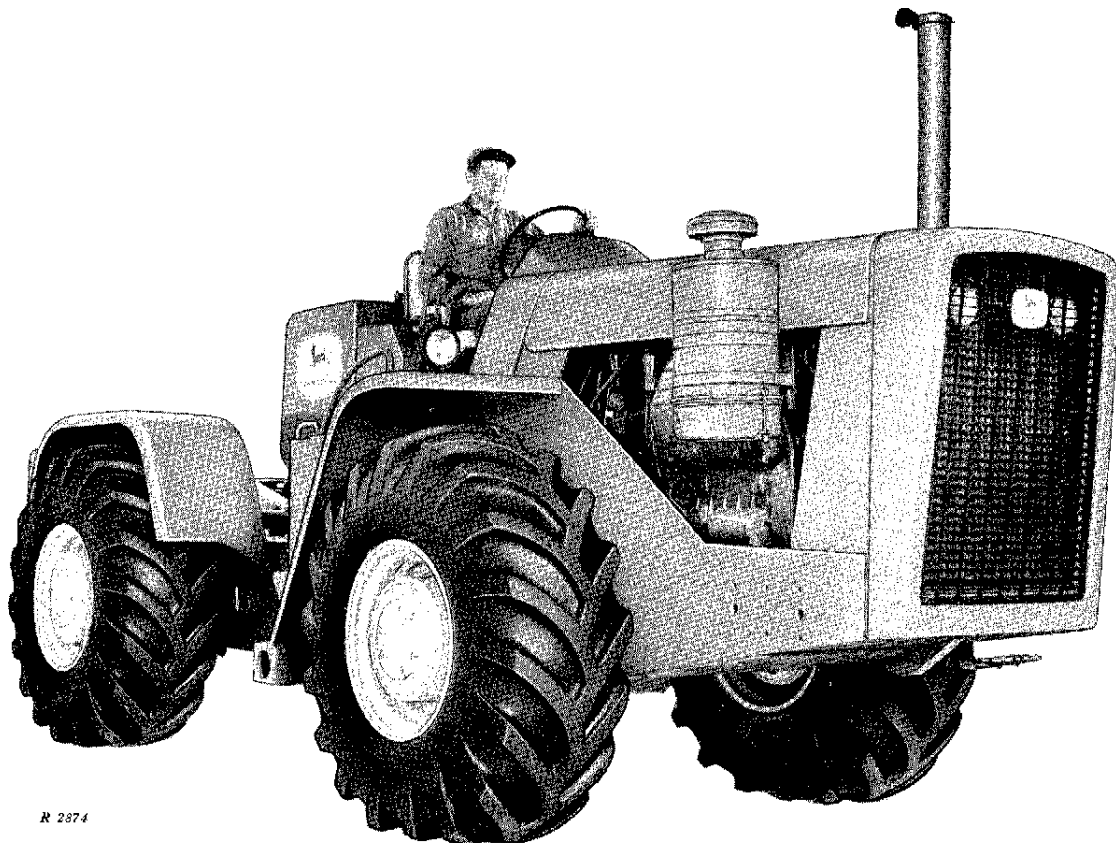
## FUEL SYSTEM . . . . . Recirculating bleed type with full-flow strainer and filter

## ELECTRICAL SYSTEM

Starting . . . . .	24 volts
Lights and accessories . . . . .	12 volts

## LUBRICATION SYSTEM

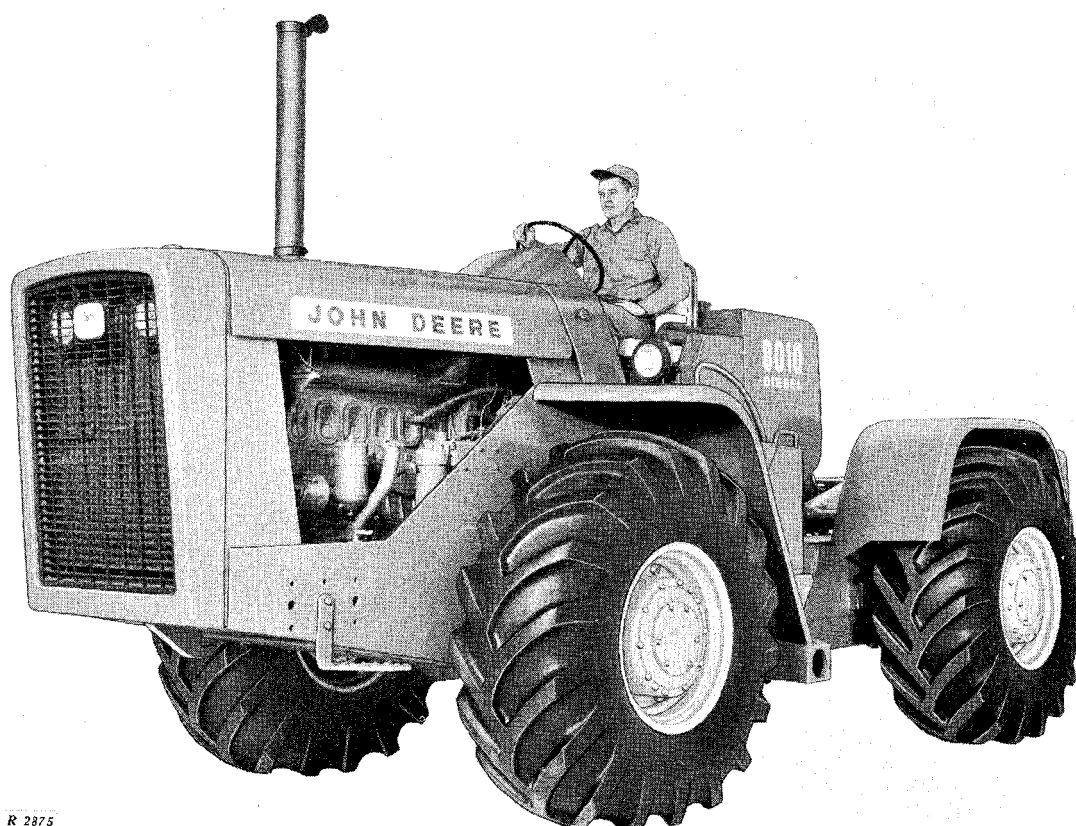
Type . . . . .	Full pressure, force feed
Filters . . . . .	One full-flow, one by-pass



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*John Deere 8010 Diesel Tractor, right-hand side view*

COOLING SYSTEM . . .	Bypass, pressure type	HYDRAULIC SYSTEM	Choice of two or three valves for double-acting remote cylinder operation. 3-point hitch available
TRANSMISSION			
Type . . . . .	Syncro-mesh, 2-range, air assisted between ranges		
Speeds . . . . .	9 forward, 2 reverse	TIRE SIZES . . . . .	23.1 18-26, 12-ply, or 18.00 x 25, 20-ply
CLUTCH . . . . .	Heavy-duty, hydraulically actuated	DIMENSIONS	
STEERING . . . . .	Fully hydraulic power steering	Height to top of steering wheel	8 ft. 3 in.
BRAKES		Height to top of exhaust pipe . .	9 ft. 4-1/2 in.
Type . . . . .	4 drums with internal expanding shoes	Width over tires . . . . .	96 in.
Operated by . . . . .	Compressed air	Wheelbase . . . . .	120 in.
Parking brake . . . . .	Mechanical	Length (grille to drawbar) . . .	19 ft. 10 in.
DRIVE AXLES . . . . .	Heavy-duty with planetary reduction	Turning radius . . . . .	17 ft. 6 in.
		WEIGHT	
		Front only (without liquid ballast)	13,750 lbs. (67%)
		Rear only (without liquid ballast)	6,950 lbs. (33%)
		Total without liquid ballast . . . .	20,700 lbs.
		Total with liquid ballast . . . . .	26,700 lbs.



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John Deere 8010 Diesel Tractor, left-hand side view

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