



Fig. 10-5-4—Right Side View of JD300 Loader

DRAWBAR

Tractors can be purchased with a swinging drawbar or a fixed drawbar. The swinging drawbar is used on tractors equipped with rockshaft and 3-point hitch. The fixed drawbar is used on tractors without PTO or 3-point hitch and does not meet ASAE-SAE standards for PTO machine operation.

FRONT WHEELS

The tractor may be equipped with a fixed front axle or sweepback adjustable front axle (turf models only). Various tire options are available. For detailed information, see Sections 200 and 280 of this manual.

REAR WHEELS

The tractor is equipped with a flanged rear axle. Tread adjustments are made by reversing the dish of the wheels and by interchanging rear wheels.

HYDRAULIC SYSTEM

Hydraulic oil is supplied by a variable displacement, constant pressure pump driven off the front of the engine crankshaft. Three sizes are available: (1) A four-piston pump with a 6.5 gpm output at 2500 rpm; (2) an eight-piston pump with a 13 gpm output; and (3) an eight-piston pump with a 22.5 gpm output.

The hydraulic system is a constant pressure, closed center, "live" type. That is, it can be operated when the engine is running, whether the tractor is moving or not. The system may be equipped with either one or two remote cylinder selective control valves and one or two pairs of breakaway or disconnect couplers.

The single selective control valve operates one remote hydraulic cylinder only. Two selective control valves permit use of two remote cylinders, which can be operated either separately or simultaneously. The cylinders may be either single-acting or double-acting.

John Deere Wheel Loader Service Manual

Wolfgang Guggemos



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Organizational maintenance manual ,1987 *Direct Support and General Support Maintenance Manual for Tractor, Wheeled, DED, Loader Backhoe, with Hydraulic Impact Tool and with Hydraulic Earth Auger Attachment, John Deere Model JD410 (CCE), with Bucket, Impactor, and Earth Drill (NSN 2420-00-567-0135).* ,1993 **John Deere JD400 Wheel**

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