

JD544 LOADER

FEATURES

Four-wheel-drive for fast cycles, high production. 1-1/2-, 1-3/4-, 3-yd. buckets and 1-1/2-yd. 4-in-1. John Deere 6-cylinder Diesel engine develops 94 net horsepower at the flywheel.

Twin-turbine, torque converter with two-range Power-Shift transmission provides 4 speeds forward to 23 mph and 2 reverse speeds to 9 mph without clutching.

13-ft. 10-in. turning radius with articulated power steering. Four-wheel disk-type power brakes. Parking brake. Four-wheel planetary final drives. One lever controls bucket cutting depth, rollback, lift, dump, shakeout, float, and automatic return to dig. 9,000-lb. lifting capacity at full height. 8-ft. 10-in. clearance and 35-1/2-in. reach at full height with bucket dumped at 45 degrees.

Transmission disconnect is brake actuated; directs all available engine power to hydraulics. Oscillating rear axle with differential. Optional No-Spin differential for front axle.

One-spot engine servicing. Vandal-protection for engine, batteries, tools, fuel tank, instruments, hydraulics.

Low-profile loader provides excellent visibility.



JD544 LOADER SPECIFICATIONS

(Specifications and design are subject to change without notice. Wherever applicable, specifications are in accordance with IEMC and SAE Standards. Specifications are based on a job-ready machine equipped with 1-1/2-cu.-yd.-bucket, 17.5-25, 12-ply, loader-tread tires with 1,160 lb. of CaCl2 solution in rear tires.)



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	Horsepower* (at 2,500 engine rpm):	Diesel	
	Net engine flywheel. Engine equipped with fan, air cleaner,		
	water pump, lubricating oil pump, fuel pump, and alter- nator	94	
	*Maximum under SAE standard conditions of 500 ft. altite 85° F. temperature.	ude and	
Operating Information: Tipping load, straight (SAE)			
	Lifting capacity, full height. Raising time to full height. Lowering time (power). Dumping time.	9,000 lb. 5.5 sec. 4.5 sec.	
	Travel Speeds: Forward:		
	1. Low range, first and second turbines, 0 to 2.8 mph. 3. High range, first and turbines, 0 to 10.7 mp		
	2. Low range, second turbine, 2.8 to 6.8 mph.4. High range, second 10.7 to 23.0 mph.	turbine	
	Reverse: 1. Low range, first and second turbines, 0 to 3.8 mph. 2. Low range, second 3.8 to 9.0 mph.	turbine,	
	Shifting from first and second turbines to second turbine matic.	is auto-	
	Engine: John Deere, vertical 6-cylinder, valve-in-head, cycle		
	Diesel Bore and stroke. .3-7/8 x 4-1/3 in. Piston displacement. .303 cu. in. Compression ratio. .16.3 to 1 Operating speed range. .1,500-2,500 rpm Maximum torque. .225 ft. lb. Rpm at maximum torque. .1,400 N.A.C.C. or A.M.A. horsepower rated for tax purpose. .35.8 Lubrication. .Pressure system with full-flow filter		
	CrankshaftInduction-hardened, counterb Main and connecting-rod bearingsSteel-backed, alu lined, ren	minum-	
	Main bearings: Number. Diameter. Length (total). CoolingPressured with water pump thermostat and fixed GovernorIntegral with injection Fuel injection pumpOpposed plunger, inlet metering	3-1/8 in. 8.138 in. bypass n pump ; single	
	cylinder distribu Air cleanerDry type, dual element with restriction in	ndicator	
	Electrical system	ternator c starter o-range	
	Torque multiplication ratio		
	Differentials:		
	FrontStandard or optional "No-Spi RearS	n'' type tandard	
	Drive axles Four-wheel drive with inboard-mounted p gears to each wheel. Front axle fixed. Rear axle oscillates 22 total (14-1/2 inches vertical travel at center of tire).	lanetary -degree	
	Brakes:		
	ServicePower actuated, 4-wheel, inboard-mounted w Foot-operated by either right or left pedal.		
	Parking10x1-1/2-inch expanding shoe type on transmiss	ion out-	

put shaft. Hand operated with warning light on dash.

Steering...,Full power steering. Articulated frame steering by two hydraulic cylinders. Articulation is 80 degrees. Turning radius of 13 feet 10 inches. Curb clearance circle is 31 feet.

Hydraulic systems:

732B 1 732C 14,975

Loader functions system...Live transmission-driven, vane-type pump delivers 45.5 gpm at 2,500 rpm. Constant-volume system.

Steering and brake systems...Includes power steering, power brakes and transmission cooling. Engine-driven, eight-piston, power-on-demand-type pump delivers 28 gpm at 2,500 rpm. Constant-pressure system.

Tires (Sizes and plies): 13-24, 10-ply, grader tread 14-24, 12-ply, grader tread 14-24, 12-ply, rock grader tread 15.5-25, 10-ply loader tread 17.5-25, 12-ply, loader tread

Wheel Treads...Front and rear.....70 in.

Dimensions (with 17.5-25 tires): Height to top of canopy Over-all height to top of muffler. Over-all width (17.5-25 tires). Over-all length. Wheelbase. Ground clearance.		ft. 2 in. ft. 4 in. 19 ft. 0-1/2 in.
Buckets: 1-1/2-cu. yd. 1-3/4-cu. yd. 3-cu. yd. Drott 1-1/2-yd. 4-in-1.	Weight: 1,200 lb. 1,320 lb. 1,890 lb. 2,050 lb.	Width: 88 in. 92 in. 96 in. 97 in.
Weight		Diesel
Operating (without canopy, approx.)		3,500 lb.
Operating (without canopy, approx.) Capacities (U.S. Measure): Cooling system Fuel tank. Engine lubrication, including filter Transmission case and filters Front differential.:		-1/2 gal. .40 gal. 10 qt.

Base Equipment:

Transmission oil temperature	55 amp. alternator
gauge	Transistorized voltage regulator
Transmission oil pressure	Two 95 amp. batteries
gauge	Power steering Fuel filter
Fuel gauge	Two stage dry-type air cleaner
Electric hour meter	with safety element and
Ammeter Coolant temperature gauge	restriction indicator
Engine oil temperature gauge	Foot throttle
Key-ignition switch with safety	Adjustable cushioned seat
start.	Engine side shields
Cigarette lighter	Front fenders
Parking brake warning light	Vertical muffler Front and rear hand grips
Lights	Tool tote-tray
Instrument panel cover with lock	Antifreeze
12-volt starter and electrical	Automotive-type horn
system	
automatic returns	L dump, shekeoutopoit and
Special Equipment:	Eth an atartian aid (Dissal)
"No-Spin" differential for front axle	Ether starting aid (Diesel) Heater
Protective roll-frame with	Engine oil heater, 240 watt
canopy (includes seat belt)	Engine coolant heater

Cab (fits roll frame) Front and rear work lights Flashing and turn signal lights Triple-spool valve Bucket teeth

Pre-cleaner Special tools Fixed drawbar, clevis type Side counterweights Splash guards for fenders