

BID SUBMITTAL FORM
Alabama County Joint Bidding Program
Heavy Equipment – HEAVY DUTY BACKHOE-OPTION A

Company Name: THOMPSON TRACTOR COMPANY

Address: PO BOX 10367
BIRMINGHAM AL 35202-0367

Bid Submitted by: JAY SMITH
(Name of company representative)

Title: SALES OPERATIONS MANAGER E-mail address: jaysmith@thompsontractor.com

Phone: 205-849-4242 Fax: _____

By submitting this bid, we agree:

Initials

The equipment model number identified below meets the bid specs for this bid item.

JAS

That the bid price will be honored for all counties for the period from Jan. 1, 2024 to Dec. 31, 2024.

JAS

The equipment will be delivered at the bid price to all counties participating in the joint bid program.

JAS

The company acknowledges the freight preparation and delivery price is to be included in the total bid price for the standard machine.

JAS

The company representative listed above will be the contact person for purchasing this bid item under the joint bid program.

JAS

The bid is accompanied by a current catalog or model specification document for the model number identified below.

JAS

The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications.

JAS

The bid includes the e-verify documentation required by Alabama law.

JAS

If awarded the bid, a performance bond will be provided upon request.

JAS

The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine.**

JAS

Total Bid Price for Standard Machine: \$ 131,070

(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) *

Freight Preparation and Delivery: \$ 6,647

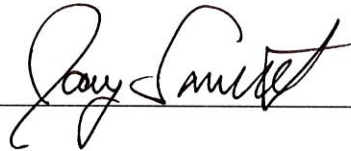
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 173,290

Equipment Model #: CATERPILLAR 430

Description: BACKHOE LOADER

Signature of company representative submitting bid: _____



Title: SALES OPERATIONS MANAGER

* **NOTE:** Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

BID SUBMITTAL FORM: OPTION COST SHEET

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine*



The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the Standard Machine



Equipment Model #: CATERPILLAR 430

Description: BACKHOE LOADER

Signature of company representative submitting bid: 

Title: SALES OPERATIONS MANAGER

***Note:** The percent difference between the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

430	HEAVY DUTY BACKHOE OPTION A	2024 Pricing
543-3343	430 BHL STANDARD	\$134,099
543-4285	STANDARD STICK 16 FT	\$0
544-1066	POWERTRAIN, 4WD, STANDARD SHIFT	\$12,679
543-5181	CAT C3.6 DITA ENGINE T4F	\$12,607
542-7771	GP HYDRAULICS, 5 FUNCTION / 7 BANK	\$954
544-0877	BASE CANOPY	\$0
545-5047	STANDARD DISPLAY	\$0
491-6734	8 HALOGEN WORKLIGHTS	\$0
611-0333	VINYL SEAT	\$0
206-1747	2" SUSPENSION SEAT BELT	\$0
560-6797	CELLULAR PRODUCT LINK PLE643	\$0
379-2161	12.5 80 / 19.5L-24 GOODYEAR TIRES	\$3,131
337-9696	COUNTERWEIGHT, 1,015 LBS	\$2,326
9R-6007	STABILIZER PADS, FLIP-OVER	\$444
545-8548	LOADER BUCKET PINS	\$0
337-7385	1.30 YD3 GENERAL PURPOSE BUCKET	\$3,782
9R-5320	TWO PIECE CUTTING EDGE	\$338
219-3396	24" HEAVY DUTY BUCKET	\$2,203
559-0872	ANSI INSTRUCTIONS	\$0
421-8926	SERIALIZED TECHNICAL MEDIA KIT	\$0
433-0154	STROBE BEACON MAGNETIC MOUNT	\$453
270-3204	BOOM WEAR PLATE GROUP	\$274
TOTAL BID PRICE FOR STANDARD MACHINE		\$131,070
FREIGHT PREPARATION AND DELIVERY		\$6,647
TOTAL MANUFACTURER'S SUGGESTED RETAIL PRICE FOR STANDARD MACHINE		\$173,290

BID SPECIFICATIONS FOR HEAVY DUTY BACKHOE-OPTION A

GENERAL

These specifications shall be construed as the minimum acceptable standards for a heavy-duty backhoe. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment. The heavy duty loader/backhoes must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacture.

The use of specific names or numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until manuals as outlined above are received by the purchaser.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment bid. If replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the County to use at no cost to the county until such time as the parts are delivered to the County so it can affect repairs to its machine.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes ☒ No ☐
Page#
or
Attachment ☒

ENGINE

Four-cylinder, four stroke cycle, minimum 220 cubic inch diesel engine, capable of developing a minimum of 107 NET flywheel horsepower with turbo charger.

Yes ☒ No ☐
Page # 1, 11

Must have an alternator with a minimum charging capacity of 120 amps.

Yes ☒ No ☐
Page # 23

Engine must be designed and built by the machine manufacturer.

Yes ☒ No ☐
Page # 1, 6, 23

STARTING SYSTEM

Shall be equipped with a 12-volt electrical system, heavy duty starting motor.

Yes ☒ No ☐
Page # 13

Battery shall be a minimum of 880 CCA maintenance free.

Yes ☒ No ☐
Page # 13

TRANSMISSION

Power shuttle transmission.

Yes ☒ No ☐
Page # 6, 11, 12

Minimum of four (4) speeds forward and three (3) reverse speeds.

Yes ☒ No ☐
Page # 11

Minimum travel speed: 24 mph.

Yes ☒ No ☐
Page # 11

Transmission to have an electrical neutral lock switch.

Yes ☒ No ☐
Page # 23

CONTROLS AND HYDRAULICS

Excavator style pilot-operated joystick controls with closed center, variable displacement load sensing hydraulic system.

Yes ☒ No ☐
Page # 12, 23

Separate oil system for engine, transmission, rear axle and hydraulics.

Yes ☒ No ☐
Page # 6, 10, 12

Must have pattern changer valve.

Yes ☒ No ☐
Page # 23

Adjustable steering column.

Yes ☒ No ☐
Page # 23

Air suspension seat.

Yes ☒ No ☐
Page # 5, 23

FRONTEND LOADER

Loader Bucket -- 1.25 min. cu yd. heavy-duty

Yes ☒ No ☐
Page # 16

Loader breakout force (lbs.) -- 11,020 lbs.

Yes ☒ No ☐
Page # 16

Loader lift capacity max. Height (lbs.) -- 7,200 lbs.

Yes ☒ No ☐
Page # 16

Loader pin height -- 11 ft. 5 in.

Yes ☒ No ☐
Page # 16

Loader dump height -- 9 ft. 0 in.

Yes ☒ No ☐
Page # 16

BACKHOE -- TWO LEVEL CONTROL SYSTEM (FIXED LENGTH DIPPER STICK)

Backhoe Bucket -- 24 in. heavy duty bucket (5 teeth)

Yes ☒ No ☐
Page # 22

Bucket breakout force (lbs.) -- 16,150 lbs.

Yes ☒ No ☐
Page # 17

Backhoe stick digging force (lbs.) -- 10,050 lbs.

Yes ☒ No ☐
Page # 17

Boom Lift @ 12 ft. (lbs.) -- 3,200 lbs.

Yes ☒ No ☐
Page # 20

Backhoe maximum digging depth -- 15 ft. 2 in.

Yes ☒ No ☐
Page # 17

Backhoe maximum dumping height 13 ft. 0 in.

Yes ☒ No ☐
Page # 17

BRAKES

Service brakes – hydraulic wet disk.

Yes ☒ No ☐
Page # 23

Parking brake.

Yes ☒ No ☐
Page # 15, 23

All wheel braking shall be available.

Yes ☒ No ☐
Page # 6

FRONT AXLE

4-wheel drive

Yes ☒ No ☐
Page # 12, 14

TIRES AND OUTRIGGERS

Reversible type for use on both paved and non-paved surfaces.

Yes ☒ No ☐
Page # 24

Minimum 19.5L – 24/10 PR rear tires and wheels.

Yes ☒ No ☐
Page # 12

Minimum 12.5/80 – 18/10 PR front tires and wheels.

Yes ☒ No ☐
Page # 12

FUEL TANK

Minimum Capacity -- 42 Gallons

Yes ☒ No ☐
Page # 12

OPEN ROPS CANOPY

Yes ☒ No ☐
Page # 5, 23

OIL ANALYSIS

To be included at no cost of the duration of the warranty period selected at intervals recommended by the manufacturer's warranty and maintenance schedule.

Yes ☒ No ☐
Page #

WEIGHT (STANDARD OPERATING)

The factory specified operating weight only without options. No additional weights may be added for the purpose of meeting these specifications. Minimum 17,500 lbs. SAE standard.

Yes ☒ No ☐
Page # 12

SAFETY DEVICES

Include a fire extinguisher that meets current minimum OSHA requirements complete with Mounting hardware installed on the machine.

Yes ☒ No ☐
Page # VENDOR

Include a rotating or flashing safety beacon installed on top of the cab.

Yes ☒ No ☐
Page # 24



Cat® 430

BACKHOE LOADER

The Cat® 430 Backhoe Loader delivers exceptional performance, increased fuel efficiency, superior hydraulic system, versatility and an updated operator station. The 430 feature the following:

- **Ergonomic Operator Station** – Ample legroom inside the cab makes rotating the seat simple. The air suspension seat provides comfort to the operator while working. New backhoe control pods allow for unlimited adjustability.
- **Load Sensing Hydraulics** – The Cat Backhoe Loader's load sensing piston pump provides full hydraulic lifting and digging forces at any engine speed. Variable flow pump matches hydraulic power to work demands.
- **Machine Performance** – The Cat C3.6 engine delivers solid performance and meets U.S. EPA Tier 4 Final/EU Stage V emission standards by utilizing Selective Catalytic Reduction technology with a Diesel Oxidation Catalyst. The system allows the operator to disconnect the machine, even while the diesel exhaust fluid is being purged from the system.
- **Machine Versatility** – The all new Integrated Tool Carrier (IT Coupler) for Single Tilt Loader Arm configurations are available from the factory or for simple field installation. The Cat Backhoe Loader with Integrated Tool Carrier (IT Coupler) will be the most versatile machine on the job site providing quick connection to a variety of Cat Attachments.
- **Cat Attachments** – A large portfolio of Backhoe Loader Attachments, including but not limited to, Quick Couplers, Thumbs, assorted Buckets, and Brooms are available from the factory or for field installation. Cat Backhoe Loaders will be "Dirt Ready" upon delivery.
- **Powershift Transmission** – A Four Speed Powershift Transmission is standard to make shifting gears smooth and as simple as twisting the Powershuttle Lever.
- **Spring Applied Hydraulically Released (SAHR) Parking Brake** – The SAHR Parking Brake is activated at the push of a button and automatically engages when the machine is powered down.

Specifications

Engine

Engine	C3.6 86 kW (115 hp) Electronic Turbo Intercooled	
Ratings at 2,200 rpm		
Gross Power SAE J1995	88 kW	118 hp
Gross Power ISO 14396	86 kW	115 hp
Net Power Rating at 2,200 rpm		
SAE J1349	80 kW	107 hp
ISO 9249	80 kW	107 hp
Net Peak Power Rating @ 2,200 rpm		
SAE J1349	80 kW	107 hp
ISO 9249	80 kW	107 hp
Dimensions		
Bore	98 mm	3.86 in
Stroke	120 mm	4.72 in
Displacement	3.6 L	220 in ³
Torque Rise (net) at 1,400 rpm	40%	
SAE J1349 Net	486 N-m	358 lb-ft
Power Rating Conditions		
No de-rating required up to	3048 m	10,000 ft

- Engine meets Tier 4 Final/Stage V emission standards.

Weights*

Operating Weight* (estimated)	8188 kg	18,051 lb
Operating Weight (maximum) (ROPS capacity)	11 000 kg	24,251 lb
Operating Weight (minimum)**	7525 kg	16,590 lb
Cab, ROPS/FOPS	145 kg	320 lb
Auto-Shift Transmission	STD	STD
Ride Control	15 kg	33 lb
Air Conditioning	45 kg	99 lb
All-Wheel Drive	STD	STD
MP bucket (0.96 m ³ /1.25 yd ³)		
with fold-over forks	915 kg	2,017 lb
without fold-over forks	745 kg	1,642 lb
Loader QC	245 kg	540 lb
Extendible Stick (excludes ft. counterweight)	297 kg	655 lb
Counterweights, base	115 kg	256 lb
Stackable, one	240 kg	529 lb
Maximum	460 kg	1,014 lb

*Machine configuration: standard stick hoe, OROPS canopy, AWD powershift shift transmission, 0.96 m³ (1.25 yd³) GP (General Purpose) loader bucket, 610 mm (24 in) standard duty hoe bucket, front 340/80-18 and rear 500/70-24 tires, 460 kg (1,014 lb) counterweight, 80 kg (176 lb) operator, full fuel tank.

**Minimum weight configuration is the same as configuration above, however, excludes counterweight, hoe bucket, and operator.



430 Backhoe Loader

Transmission

Power Shift Transmission – Standard

Forward – 1st	5.9 km/h	3.7 mph
2nd	9.5 km/h	5.9 mph
3rd	20 km/h	12 mph
4th	41 km/h	26 mph
Reverse – 1st	5.9 km/h	3.7 mph
2nd	12.4 km/h	7.7 mph
3rd	27 km/h	17 mph

	Power-Shift Transmission – Optional		Power-Shift Transmission with LTC – Optional	
Forward – 1st	5.9 km/h	3.7 mph	5.9 km/h	3.7 mph
2nd	9.5 km/h	5.9 mph	9.5 km/h	5.9 mph
3rd	12 km/h	8 mph	12 km/h	8 mph
4th	20 km/h	12 mph	20 km/h	12 mph
5th	27 km/h	17 mph	27 km/h	17 mph
5th LTC	—	—	29 km/h	18 mph
6th	41 km/h	26 mph	41 km/h	26 mph
6th LTC**	—	—	40 km/h	25 mph
Reverse – 1st	5.9 km/h	3.7 mph	5.9 km/h	3.7 mph
2nd	12 km/h	7.7 mph	12 km/h	7.7 mph
3rd	27 km/h	17 mph	27 km/h	17 mph

*Travel speeds of backhoe loader at full throttle, when equipped with 500/70-24 rear tires.

**Limited by engine speed to 40 km/h (25 mph).

Axle Ratings

Front Axle, AWD

Static	23 500 kg	51,808 lb
Dynamic	9000 kg	19,841 lb

Rear Axle

Static	26 500 kg	58,422 lb
Dynamic	10 000 kg	22,046 lb

Hydraulic System

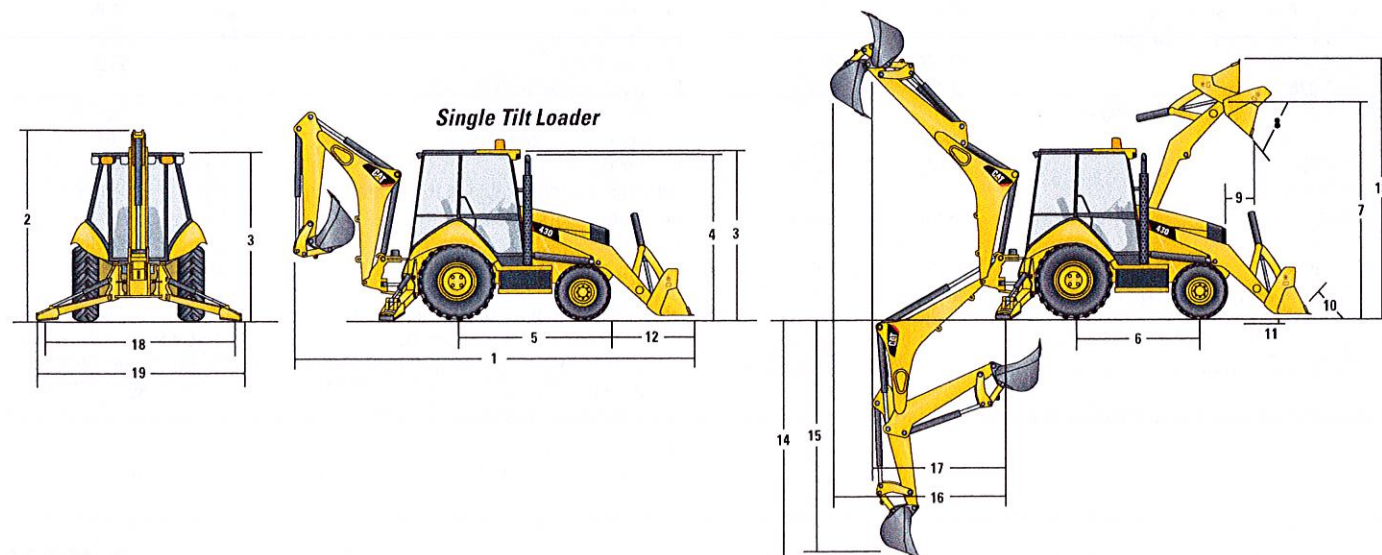
Type	Closed Center	
Pump Type	Variable-flow, Axial Piston	
Pump Capacity @ 2,200 rpm	187 L/min	49.4 gal/min
System Pressure		
Backhoe	25 000 kPa	3,626 psi
Loader	25 000 kPa	3,626 psi

Steering

Type	Front Wheel Steering	
Power Steering	Hydrostatic	
One Double-Acting Cylinder		
Bore	65 mm	2.6 in
Stroke	106 mm	4.2 in
Rod Diameter	40 mm	1.6 in
Axle Oscillation	11°	
Turning Circle – (inner wheel not braked)		
Outside front wheels	8.205 m	26'11"
Outside widest loader bucket	10.745 m	35'3"

Service Refill Capacities

Cooling System with Air Conditioning	18.0 L	4.8 gal
Fuel Tank	160.0 L	42.3 gal
Engine Oil with Filter	9.0 L	2.4 gal
Diesel Exhaust Fluid (DEF)	19.0 L	5.0 gal
Transmission – Power Shuttle		
AWD	18.0 L	4.8 gal
Transmission – Power Shift		
AWD	19.0 L	5.0 gal
Rear Axle	16.0 L	4.2 gal
Planetaries	1.7 L	0.4 gal
Front Axle (AWD)	11.0 L	2.9 gal
Planetaries	0.7 L	0.2 gal
Hydraulic System	95.0 L	25.1 gal
Hydraulic Tank	42.0 L	11.1 gal



430 Backhoe Loader

Dimensions

Machine configuration: standard stick hoe, OROPS canopy, AWD power shift transmission, 0.96 m³ (1.25 yd³) GP loader bucket, 610 mm (24 in) standard duty hoe bucket, 340/80-18 and rear 500/70-24 tires, 460 kg (1,014 lb) counterweight, 80 kg (176 lb) operator, full fuel tank.

Single Tilt Loader with Pin-On Buckets

	0.96 m ³ (1.25 yd ³) GP	1.0 m ³ (1.31 yd ³) GP	1.07 m ³ (1.40 yd ³) GP	1.15 m ³ (1.50 yd ³) GP	1.0 m ³ (1.31 yd ³) MP	1.07 m ³ (1.40 yd ³) MP
1 Overall Length (loader on ground) – S-Stick – mm (ft/in)	7273 (23'10")	7228 (23'9")	7294 (23'11")	7294 (23'11")	7201 (23'8")	7201 (23'8")
Overall Length (loader on ground) – E-Stick – mm (ft/in)	7289 (23'11")	7244 (23'9")	7310 (24'0")	7310 (24'0")	7217 (23'8")	7217 (23'8")
Overall Transport Length – S-Stick – mm (ft/in)	7304 (24'0")	7271 (23'10")	7342 (24'1")	7342 (24'1")	7272 (23'10")	7272 (23'10")
Overall Transport Length – E-Stick – mm (ft/in)	7341 (24'1")	7287 (23'11")	7358 (24'2")	7358 (24'2")	7288 (23'11")	7288 (23'11")
2 Overall Transport Height – Standard Stick – mm (ft/in)	3845 (12'7")	3845 (12'7")	3845 (12'7")	3845 (12'7")	3845 (12'7")	3845 (12'7")
Overall Transport Height – Extendible Stick – mm (ft/in)	3866 (12'8")	3866 (12'8")	3866 (12'8")	3866 (12'8")	3866 (12'8")	3866 (12'8")
Overall Width – mm (ft/in)	2248 (7'5")	2248 (7'5")	2248 (7'5")	2248 (7'5")	2248 (7'5")	2248 (7'5")
3 Height to Top of Cab/Canopy – mm (ft/in)	2815 (9'3")	2815 (9'3")	2815 (9'3")	2815 (9'3")	2815 (9'3")	2815 (9'3")
4 Height to Top of Exhaust Stack – mm (ft/in)	2720 (8'11")	2720 (8'11")	2720 (8'11")	2720 (8'11")	2720 (8'11")	2720 (8'11")
Height to Loader Hinge Pin (transport) – mm (ft/in)	378 (1'3")	378 (1'3")	422 (1'5")	422 (1'5")	420 (1'5")	420 (1'5")
Ground Clearance (LH step) – mm (ft/in)	316 (1'0")	316 (1'0")	316 (1'0")	316 (1'0")	316 (1'0")	316 (1'0")
Ground Clearance (AWD guard) – mm (ft/in)	312 (1'0")	312 (1'0")	312 (1'0")	312 (1'0")	312 (1'0")	312 (1'0")
Ground Clearance (485 kg/1,070 lb counterweight) – mm (ft/in)	289 (0'11")	289 (0'11")	289 (0'11")	289 (0'11")	289 (0'11")	289 (0'11")
5 Rear Axle Centerline to Front Grill – mm (ft/in)	2706 (8'11")	2706 (8'11")	2706 (8'11")	2706 (8'11")	2706 (8'11")	2706 (8'11")
Front Wheel Tread Gauge – mm (ft/in)	1895 (6'3")	1895 (6'3")	1895 (6'3")	1895 (6'3")	1895 (6'3")	1895 (6'3")
Rear Wheel Tread Gauge – mm (ft/in)	1728 (5'8")	1728 (5'8")	1728 (5'8")	1728 (5'8")	1728 (5'8")	1728 (5'8")
6 Wheelbase – mm (ft/in)	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")

Single Tilt Loader with Quick Coupler

	0.96 m ³ (1.25 yd ³) GP	1.0 m ³ (1.31 yd ³) GP	1.15 m ³ (1.50 yd ³) GP	1.0 m ³ (1.31 yd ³) MP	1.07 m ³ (1.40 yd ³) MP
1 Overall Length (loader on ground) – S-Stick – mm (ft/in)	7455 (24'5")	7410 (24'4")	7452 (24'5")	7362 (24'2")	7362 (24'2")
Overall Length (loader on ground) – E-Stick – mm (ft/in)	7471 (24'6")	7426 (24'4")	7468 (24'6")	7378 (24'2")	7378 (24'2")
Overall Transport Length – S-Stick – mm (ft/in)	7431 (24'5")	7398 (24'3")	7429 (24'4")	7360 (24'2")	7360 (24'2")
Overall Transport Length – E-Stick – mm (ft/in)	7448 (24'5")	7414 (24'4")	7446 (24'5")	7376 (24'2")	7376 (24'2")
2 Overall Transport Height – Standard Stick – mm (ft/in)	3845 (12'7")	3845 (12'7")	3845 (12'7")	3845 (12'7")	3845 (12'7")
Overall Transport Height – Extendible Stick – mm (ft/in)	3866 (12'8")	3866 (12'8")	3866 (12'8")	3866 (12'8")	3866 (12'8")
Overall Width – mm (ft/in)	2248 (7'5")	2248 (7'5")	2248 (7'5")	2248 (7'5")	2248 (7'5")
3 Height to Top of Cab/Canopy – mm (ft/in)	2815 (9'3")	2815 (9'3")	2815 (9'3")	2815 (9'3")	2815 (9'3")
4 Height to Top of Exhaust Stack – mm (ft/in)	2720 (8'11")	2720 (8'11")	2720 (8'11")	2720 (8'11")	2720 (8'11")
Height to Loader Hinge Pin (transport) – mm (ft/in)	345 (1'2")	346 (1'2")	346 (1'2")	344 (1'2")	344 (1'2")
Ground Clearance (LH step) – mm (ft/in)	316 (1'0")	316 (1'0")	316 (1'0")	316 (1'0")	316 (1'0")
Ground Clearance (AWD guard) – mm (ft/in)	312 (1'0")	312 (1'0")	312 (1'0")	312 (1'0")	312 (1'0")
Ground Clearance (485 kg/1,070 lb counterweight) – mm (ft/in)	289 (0'11")	289 (0'11")	289 (0'11")	289 (0'11")	289 (0'11")
5 Rear Axle Centerline to Front Grill – mm (ft/in)	2706 (8'11")	2706 (8'11")	2706 (8'11")	2706 (8'11")	2706 (8'11")
Front Wheel Tread Gauge – mm (ft/in)	1895 (6'3")	1895 (6'3")	1895 (6'3")	1895 (6'3")	1895 (6'3")
Rear Wheel Tread Gauge – mm (ft/in)	1728 (5'8")	1728 (5'8")	1728 (5'8")	1728 (5'8")	1728 (5'8")
6 Wheelbase – mm (ft/in)	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")

430 Backhoe Loader

Dimensions

Machine configuration: standard stick hoe, OROPS canopy, AWD power shift transmission, 0.96 m³ (1.25 yd³) GP loader bucket, 610 mm (24 in) standard duty hoe bucket, 340/80-18 and rear 500/70-24 tires, 460 kg (1,014 lb) counterweight, 80 kg (176 lb) operator, full fuel tank.

Loader Bucket Dimensions and Performance

Pin-On Buckets												
	0.96 m³ (1.25 yd³) GP		1.0 m³ (1.31 yd³) GP		1.07 m³ (1.40 yd³) GP		1.15 m³ (1.50 yd³) GP		1.0 m³ (1.31 yd³) MP		1.07 m³ (1.40 yd³) MP	
Capacity (SAE rated) – m³ (yd³)	0.96	(1.26)	1.00	(1.31)	1.07	(1.40)	1.15	(1.50)	1.00	(1.31)	1.07	(1.40)
Overall Bucket Width – mm (in)	2262	(89)	2406	(95)	2262	(89)	2406	(95)	2279	(90)	2425	(95)
Lift Capacity at Maximum Height – kg (lb)	3280	(7,230)	3286	(7,245)	3213	(7,084)	3192	(7,038)	3059	(6,745)	3047	(6,717)
Lift Breakout Force – N (lbf)	50 179	(11,280)	50 941	(11,452)	49 644	(11,160)	49 467	(11,120)	49 114	(11,041)	49 017	(11,019)
Tilt Breakout Force – N (lbf)	49 891	(11,216)	53 037	(11,923)	50 945	(11,452)	50 834	(11,428)	56 242	(12,643)	56 166	(12,626)
Tipping Load at Breakout Point – kg (lb)	7081	(15,610)	7250	(15,983)	6976	(15,379)	6959	(15,341)	7134	(15,728)	7124	(15,707)
7 Maximum Hinge Pin Height – mm (ft/in)	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")
8 Dump Angle at Full Height – degrees	44°		44°		44°		44°		44°		44°	
Dump Height at Maximum Angle – mm (ft/in)	2758	(9'1")	2790	(9'2")	2736	(9'0")	2736	(9'0")	2803	(9'2")	2803	(9'2")
9 Dump Reach at Maximum Angle – mm (ft/in)	807	(2'8")	774	(2'6")	773	(2'6")	773	(2'6")	722	(2'4")	722	(2'4")
10 Maximum Bucket Rollback at Ground Level – degrees	36°		36°		37°		37°		37°		37°	
11 Digging Depth – mm (ft/in)	70	(0'3")	70	(0'3")	110	(0'4")	110	(0'4")	97	(0'4")	97	(0'4")
Maximum Grading Angle – degrees	113°		114°		114°		114°		116°		116°	
Width of Dozer Cutting Edge – mm (ft/in)	N/A		N/A		N/A		N/A		2262	(7'5")	2406	(7'11")
12 Grill to Bucket Cutting Edge, Carry Position – mm (ft/in)	1480	(4'10")	1447	(4'9")	1518	(5'0")	1517	(5'0")	1447	(4'9")	1447	(4'9")
13 Maximum Operating Height – mm (ft/in)	4356	(14'3")	4354	(14'3")	4366	(14'4")	4397	(14'5")	4378	(14'4")	4407	(14'6")
Jaw Opening Maximum – mm (ft/in)	N/A		N/A		N/A		N/A		843	(2'9")	843	(2'9")
Bucket Jaw Clamping Force – N (lbf)	N/A		N/A		N/A		N/A		40 160	9028	40 261	9051
Weight (does not include teeth or forks) – kg (lb)	451	(994)	462	(1,019)	473	(1,043)	493	(1,087)	745	(1,642)	774	(1,706)

Loader Quick Coupler												
	0.96 m³ (1.25 yd³) GP		1.0 m³ (1.31 yd³) GP		1.15 m³ (1.50 yd³) GP		1.0 m³ (1.31 yd³) MP		1.07 m³ (1.40 yd³) MP			
Capacity (SAE rated) – m³ (yd³)	0.96	(1.26)	1.00	(1.31)	1.15	(1.50)	1.00	(1.31)	1.07	(1.40)		
Overall Bucket Width – mm (in)	2262	(89)	2406	(95)	2406	(95)	2279	(90)	2425	(95)		
Lift Capacity at Maximum Height – kg (lb)	2879	(6,348)	2880	(6,350)	2846	(6,273)	2747	(6,057)	2711	(5,976)		
Lift Breakout Force – N (lbf)	45 144	(10,148)	45 749	(10,284)	44 845	(10,081)	44 659	(10,039)	44 400	(9,981)		
Tilt Breakout Force – N (lbf)	41 169	(9,255)	43 286	(9,731)	40 879	(9,190)	44 104	(9,914)	43 932	(9,876)		
Tipping Load at Breakout Point – kg (lb)	6263	(13,808)	6395	(14,099)	6239	(13,754)	6379	(14,064)	6355	(14,010)		
7 Maximum Hinge Pin Height – mm (ft/in)	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")		
8 Dump Angle at Full Height – degrees	44°		44°		44°		44°		44°			
Dump Height at Maximum Angle – mm (ft/in)	2623	(8'7")	2654	(8'9")	2625	(8'7")	2690	(8'10")	2690	(8'10")		
9 Dump Reach at Maximum Angle – mm (ft/in)	887	(2'11")	855	(2'10")	886	(2'11")	832	(2'9")	832	(2'9")		
10 Maximum Bucket Rollback at Ground Level – degrees	37°		37°		37°		37°		37°			
11 Digging Depth – mm (ft/in)	111	(0'4")	111	(0'4")	110	(0'4")	101	(0'4")	101	(0'4")		
Maximum Grading Angle – degrees	109°		110°		109°		111°		111°			
Width of Dozer Cutting Edge – mm (ft/in)	N/A		N/A		N/A		2262	(7'5")	2406	(7'11")		
12 Grill to Bucket Cutting Edge, Carry Position – mm (ft/in)	1607	(5'3")	1573	(5'2")	1605	(5'3")	1535	(5'0")	1535	(5'0")		
13 Maximum Operating Height – mm (ft/in)	4439	(14'7")	4406	(14'5")	4484	(14'9")	4476	(14'8")	4531	(14'10")		
Jaw Opening Maximum – mm (ft/in)	N/A		N/A		N/A		843	(2'9")	843	(2'9")		
Bucket Jaw Clamping Force – N (lbf)	N/A		N/A		N/A		40 185	(9,034)	40 286	(9,056)		
Weight (does not include teeth or forks) – kg (lb)	447	(985)	457	(1,008)	481	(1,060)	724	(1,596)	753	(1,660)		

430 Backhoe Loader

Dimensions

Machine configuration: standard stick hoe, OROPS canopy, AWD power shift transmission, 0.96 m³ (1.25 yd³) GP loader bucket, 610 mm (24 in) standard duty hoe bucket, 340/80-18 and rear 500/70-24 tires, 460 kg (1,014 lb) counterweight, 80 kg (176 lb) operator, full fuel tank.

Backhoe Dimensions and Performance

	Standard Stick		E-Stick Retracted		E-Stick Extended	
14 Digging Depth, SAE (max.) – mm (ft/in)	4612	(15'2")	4721	(15'6")	5862	(19'3")
15 Digging Depth, 2440 mm (8 ft) Flat Bottom – mm (ft/in)	4262	(14'0")	4375	(14'4")	5587	(18'4")
Digging Depth, 610 mm (2 ft) Flat Bottom – mm (ft/in)	4587	(15'1")	4693	(15'5")	5834	(19'2")
Reach from Rear Axle Centerline at Ground Line – mm (ft/in)	7122	(23'4")	7216	(23'8")	8307	(27'3")
16 Reach from Swing Pivot at Ground Line – mm (ft/in)	6032	(19'9")	6126	(20'1")	7217	(23'8")
Maximum Operating Height – mm (ft/in)	6081	(19'11")	6150	(20'2")	7038	(23'1")
Loading Height – mm (ft/in)	4027	(13'3")	3988	(13'1")	4599	(15'1")
17 Loading Reach – mm (ft/in)	1859	(6'1")	2026	(6'8")	3011	(9'11")
Swing Arc	180°		180°		180°	
Bucket Rotation	205°		204°		204°	
18 Stabilizer Spread, Operating Position (center) – mm (ft/in)	3310	(10'10")	3310	(10'10")	3310	(10'10")
Stabilizer Spread, Operating Position (outside) – mm (ft/in)	3770	(12'4")	3770	(12'4")	3770	(12'4")
Stabilizer Spread, Transport Position – mm (ft/in)	2322	(7'7")	2322	(7'7")	2322	(7'7")
Bucket Dig Force – N (lbf)	71 897	(16,163)	70 904	(15,940)	70 904	(15,940)
Stick Dig Force – N (lbf)	44 867	(10,086)	43 939	(9,878)	32 517	(7,310)

Dimensions with Forks/Material Handling Arm

	1070 mm (3'6")		1220 mm (4'0")		1370 mm (4'10")	
Fork Tine Length	1070 mm (3'6")		1220 mm (4'0")		1370 mm (4'10")	
Operating Load (SAE J1197) – kg (lb)	1971	(4,346)	1891	(4,168)	1814	(4,000)
SAE Load Center – mm (in)	535	(1'9")	610	(2'0")	685	(2'3")
Operating Load (CEN 474-4) – kg (lb)	2004	(4,417)	1988	(4,382)	1971	(4,346)
CEN Load Center – mm (ft/in)	500	(1'8")	500	(1'8")	500	(1'8")
Overall Length (A) (forks on ground) – mm (ft/in)	7789	(25'7")	7939	(26'1")	8089	(26'6")
Reach at Ground (from grill to heel of fork) – mm (ft/in)	939	(3'1")	939	(3'1")	938	(3'1")
Maximum Reach (from grill to heel of fork) – mm (ft/in)	1524	(5'0")	1524	(5'0")	1524	(5'0")
Fork Height at Maximum Reach – mm (ft/in)	1619	(5'4")	1619	(5'4")	1619	(5'4")
Reach at Maximum Height (from grill to heel of fork) – mm (ft/in)	749	(2'5")	749	(2'5")	749	(2'5")
Maximum Fork Height – mm (ft/in)	3418	(11'3")	3418	(11'3")	3418	(11'3")
Maximum Fork Depth (below ground level) – mm (ft/in)	-38	(-1'11")	-38	(-1'10")	-39	(-1'10")

Material Handling Arm Position	Retracted		Mid-Position		Extended	
Operating Load (SAE J1197 and CEN 474-4) – kg (lb)*	1201	(2,647)	808	(1,782)	589	(1,298)
Overall Length, Maximum – mm (ft/in)	9045	(29'8")	10 045	(32'11")	11 043	(36'3")
Reach at Maximum Depth (from machine nose) – mm (ft/in)	544	(1'9")	550	(1'10")	557	(1'10")
Maximum Depth – mm (ft/in)	2618	(8'7")	3618	(11'10")	4616	(15'2")
Maximum Reach (from machine nose) – mm (ft/in)	3221	(10'7")	4221	(13'10")	5219	(17'1")
Height at Maximum Reach – mm (ft/in)	1118	(3'8")	1124	(3'8")	1130	(3'8")
Reach at Maximum Height (from machine nose) – mm (ft/in)	1783	(5'10")	2473	(8'1")	3161	(10'4")
Maximum Height – mm (ft/in)	4445	(14'7")	5169	(16'11")	5891	(19'4")

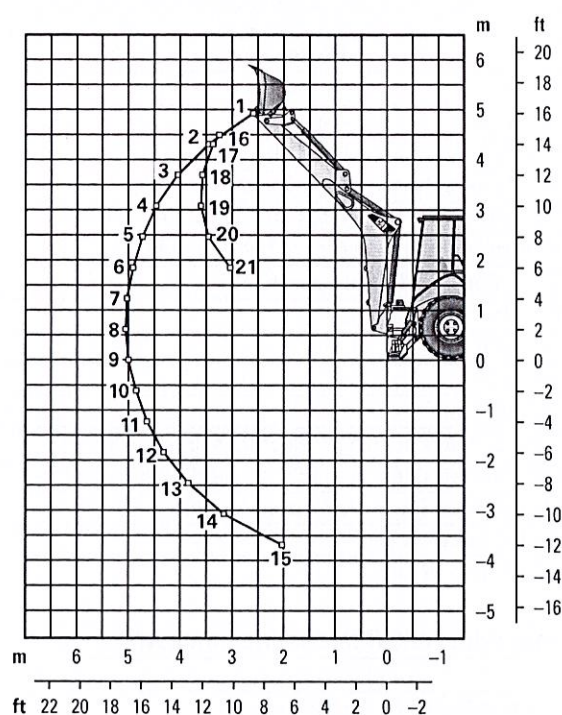
*These numbers are hydraulically limited.

430 Backhoe Loader

Backhoe Lift Capacity

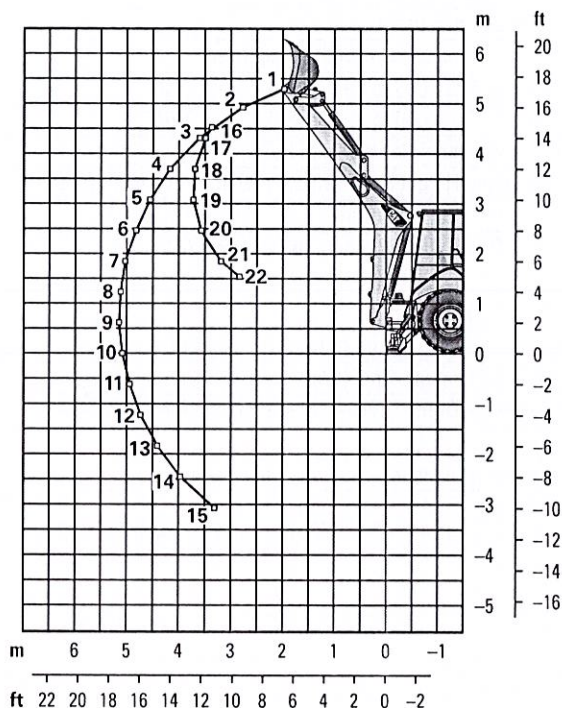
Cat 430 Standard Stick

Boom Lifting		kg	lb
1		1856	4,093
2		1951	4,301
3		1923	4,240
4		1867	4,115
5		1802	3,973
6		1737	3,830
7		1674	3,692
8		1615	3,561
9		1560	3,439
10		1509	3,327
11		1464	3,227
12		1424	3,140
13		1394	3,073
14		1382	3,047
15		1461	3,222
Stick Lifting			
16		2449	5,400
17		2725	6,007
18		2841	6,264
19		2803	6,179
20		2961	6,529
21		3487	7,688



Cat 430 Extendible Stick – Retracted

Boom Lifting		kg	lb
1		1296	2,858
2		1601	3,530
3		1677	3,696
4		1651	3,640
5		1599	3,526
6		1539	3,393
7		1478	3,258
8		1418	3,126
9		1361	3,000
10		1307	2,882
11		1258	2,773
12		1213	2,673
13		1173	2,586
14		1141	2,515
15		1123	2,477
Stick Lifting			
16		2153	4,746
17		2443	5,387
18		2549	5,620
19		2514	5,542
20		2648	5,839
21		3078	6,785
22		3590	7,914



Lift capacities are over-end values calculated according to SAE J31. Values are 87% of the maximum lift force available.

Machine equipped with AWD, OROPS, 0.96 m³ (1.25 yd³) general purpose bucket and 460 kg (1,015 lb) counterweight.

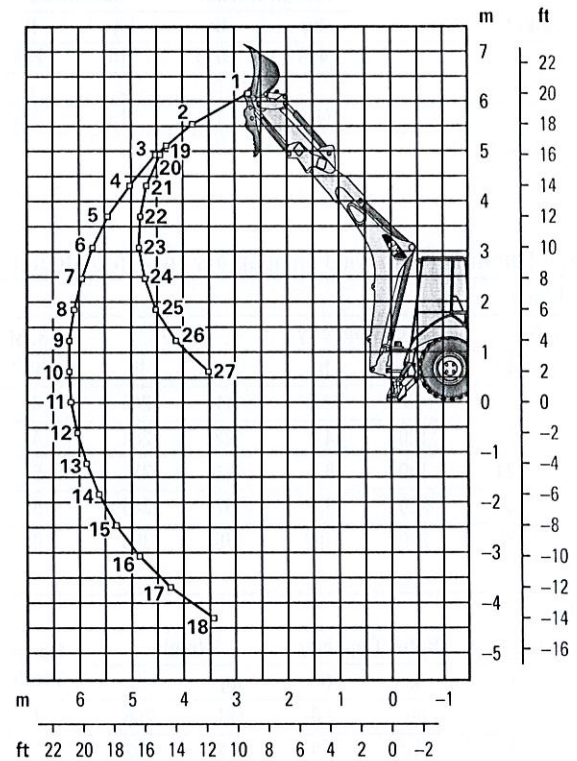
Extendible stick includes 460 kg (1,015 lb) counterweight.

430 Backhoe Loader

Backhoe Lift Capacity

Cat 430 Extendible Stick – Extended

Boom Lifting		kg	lb
1		739	1,628
2		1050	2,314
3		1135	2,503
4		1158	2,553
5		1154	2,545
6		1138	2,509
7		1115	2,458
8		1089	2,402
9		1062	2,342
10		1036	2,283
11		1010	2,226
12		986	2,173
13		964	2,124
14		945	2,083
15		931	2,052
16		924	2,037
17		930	2,051
18		971	2,140
Stick Lifting			
19		1187	2,618
20		1306	2,880
21		1578	3,479
22		1744	3,845
23		1730	3,814
24		1774	3,911
25		1891	4,169
26		2130	4,697
27		2671	5,888



Lift capacities are over-end values calculated according to SAE J31. Values are 87% of the maximum lift force available.
 Machine equipped with AWD, OROPS, 0.96 m³ (1.25 yd³) general purpose bucket and 460 kg (1,015 lb) counterweight.
 Extendible stick includes 460 kg (1,015 lb) counterweight.

430 Backhoe Loader

Counterweights (Minimum Counterweight Recommendations)

Standard Stick Loader Bucket	Pin-On Bucket		Loader QC	
	kg	lb	kg	lb
GP	460	1,015	115	255
MP	0	0	0	0
Forks	N/A	N/A	115	255
Material Handling Arm	N/A	N/A	0	0

Extendible Stick Loader Bucket	Pin-On Bucket		Loader QC	
	kg	lb	kg	lb
GP	460	1,015	240	530
MP	240	530	0	0
Forks	N/A	N/A	240	530
Material Handling Arm	N/A	N/A	240	530

Backhoe Buckets (With weld on adapters and pin-on teeth)

Standard Duty

Width		Rated Capacity		Weight		No. of Teeth
mm	in	L	ft³	kg	lb	
305	12	80	2.8	111	245	3
457	18	120	4.2	122	268	4
610	24	180	6.4	141	311	5
762	30	230	8.1	157	345	5
914	36	290	10.2	176	388	6

Heavy Duty

Width		Rated Capacity		Weight		No. of Teeth
mm	in	L	ft³	kg	lb	
305	12	80	2.8	121	266	3
406	16	110	3.9	128	282	3
457	18	120	4.2	135	299	4
610	24	180	6.4	160	353	5
762	30	230	8.1	177	391	5
914	36	290	10.2	201	443	6

Soil Excavation

Width		Rated Capacity		Weight		No. of Teeth
mm	in	L	ft³	kg	lb	
457	18	180	6.4	155	341	4
610	24	240	8.5	182	402	5
762	30	320	11.3	206	454	5
914	36	380	13.4	233	513	6

Rock

Width		Rated Capacity		Weight		No. of Teeth
mm	in	L	ft³	kg	lb	
305	12	70	2.5	127	279	3
457	18	130	4.6	146	322	4
610	24	200	7.1	174	384	5
762	30	270	9.5	197	434	5
914	36	330	11.7	224	493	6

Coral

Width		Rated Capacity		Weight		No. of Teeth
mm	in	L	ft³	kg	lb	
305	12	60	2.1	134	295	4
457	18	100	3.5	155	341	6
610	24	140	4.9	182	402	8
762	30	190	6.7	210	463	10

STANDARD EQUIPMENT

- Adjustable auxiliary controls, backhoe loader
- Air cleaner
- Alarm, back-up
- Audible system fault alarm
- Automatic Engine Speed Control (AESC)
- Battery, maintenance-free, 850 CCA
- Battery disconnect switch
- Boom transport lock
- Brace, lift cylinder
- Brake, parking, Spring Applied Hydraulically Released (SAHR)
- Brakes, hydraulically boosted, oil disc, dual pedals, interlocking
- Bucket level indicator
- Canopy, ROPS/FOPS
- Cat cushion swing system
- Coat restraint
- Coolant/antifreeze, extended life
- Dome light (cab only)
- Diagnostic port for engine, machine and gauge cluster Electronic Control Modules
- Differential lock, loader joystick
- Drink holders, two
- Engine, Cat C3.6 ACERT (Direct Injection Turbocharged), meets Tier 4 Final/Stage V emission standards, Selective Catalytic Reduction, Diesel Oxidation Catalyst (DOC)
- Engine enclosure, sound suppression, removable side panels
- Face seals, O-ring
- Fan, suction and guard
- Fast reversing shuttle, all gears
- Fenders, rear
- Filters, spin-on: fuel, engine oil, transmission oil, water separator
- Filters, bowl and cartridge: hydraulic fluid
- Flashing hazards/signal lights
- Floor mat
- Fuel tank, fully enclosed
- Four wheel drive
- Four wheel drive shaft guard
- Fully hinged front grill for cooling package cleaning access
- Gauge cluster: coolant temperature, fuel level, torque converter temperature, DEF level
- Ground level fuel fill and DEF fill
- Halogen lights, working (2 front, 2 rear)
- High ambient cooling package
- Hood lock, inside cab
- Hydraulic hose, XTTM
- Hydraulic oil cooler
- Hydraulic oil level sight gauge
- Hydraulic valves, loader 2 function
- Hydraulic valves, backhoe 4 function
- Hydraulics, load sensing with variable displacement piston pump
- Indicator lights: wait to start, water in fuel, engine warning, warning lamp, emissions module malfunction, low battery/charging system warning, high hydraulic oil temperature: LCD warnings: engine oil pressure, machine locked, service due, air filter blocked, high coolant temperature, auto idle shutdown, high torque converter temperature, hydraulic filter bypass
- Instrument panel lights
- Joystick controls: pilot operated, excavator-style with pattern changer
- Key start/stop system
- LCD operator display with soft key controls: engine speed, hour meter, gear/direction, battery voltage, hydraulic oil temperature, torque converter temperature, coolant temperature, trip totals (fuel and hours), lifetime totals (fuel and hours), operator settings (units, brightness, programmable hoe auxiliary flow), service mode diagnostics, maintenance intervals, ECM/system info
- Loader, self-leveling, return-to-dig and transmission disconnect switch
- Loader, single tilt
- Mirror, interior, rearview
- One-touch low idle
- Open circuit breather
- Pattern changer, in cab
- Power receptacle, 5 volt USB, 1 internal
- Power receptacle, 12 volt, 2 internal, 1 external
- Power steering, hydrostatic
- Product LinkTM, satellite, network manager
- Product Link, cellular, network manager
- Seat belt, retractable, 51 mm (2 in)
- Socket, two roof
- Stabilizer shoes, street
- Steering knob
- Seat, air suspension, vinyl cover, with armrest
- Stabilizers, EH Control, Auto-UP
- Starting system, glow plugs
- Steering column, tilting, telescopic
- Storage compartment, lockable
- Storage tray
- Stop and tail lights
- Swing transport lock
- Tires
- Toolbox, external, lockable
- Torque converter
- Throttle, hand and foot, electronic
- Transmission, 4 speed, powershift
- Transmission neutralizer switch
- Transport tie-downs
- Vandalism locks, four
- Warning horn, electric

430 Backhoe Loader

OPTIONAL EQUIPMENT

- Auxiliary hydraulics, loader, adjustable flow
- Auxiliary hydraulics, rear, adjustable flow
- Battery, additional, 850 CCA
- Cab, deluxe
- Cold weather fuel (-30° C/-22° F)
- Cold weather package, including additional battery, engine block heater, radiator antifreeze, cold weather fuel (-30° C/-22° F) and mounting for an ether bottle
- Counterweights, 115 kg (255 lb), 240 kg (530 lb) or 460 kg (1,015 lb)
- Fenders, front with integral steps
- Guard, boom protection plate
- Guard, stabilizer, rock
- Hydraulic valves, loader with auxiliary thumb control (3rd valve for MP or Quick Coupler)
- Hydraulic valves, backhoe (5th and 6th function)
- Hydraulic lines, combined function auxiliary
- LED lights, working (2 front, 2 rear)
- Quick Coupler, hydraulic, dual lock
- Quick Coupler, manual, dual lock
- Quick Coupler, manual, pin lock
- Radio and CD player, Bluetooth®
- Ride Control
- Rotating beacon, magnetic mount
- Seat, air suspension, fabric with armrest
- Seat, air suspension, fabric with armrest, heated
- Seat belt, retractable, 75 mm (3 in)
- Security system, Bluetooth
- Security system, operator display
- Side mirrors, cab, external
- Single Tilt Loader Coupler, Integrated Tool Carrier (IT) Interface
- Stabilizer pads, reversible
- Stick, extendible
- Transmission, AutoShift with lock-up torque converter, 6 speed
- Vandalism protection, gauge cover
- Work Tool Attachments such as buckets, forks, material handling arms, augers, hammers, brooms, cold planers and vibratory plate compactors. See your Cat dealer for more information.

430 Backhoe Loader

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AEHQ8245-01 (06-2020)
Replaces AEHQ8245
Build Number: 07A
(North America)



430 BID SPECS1

BACKHOE LOADERS		Cat 430
BASIC SPECIFICATIONS		
Y___ N___		Backhoe shall have a minimum digging depth of 15'4" (4686 mm) with standard stick and 19'6" (5935 mm) with extendible stick.
Y___ N___		Turbocharged engine net flywheel horsepower shall be at least 109 HP (81 kW) according to SAE J1349.
Y___ N___		Engine net peak power @ 1800 rpm shall be at least 110 HP (82kW) according to SAE J1349.
Y___ N___		Machine to be equipped with an economy control function for maximum fuel efficiency
Y___ N___		Unit shall have a maximum overall transport height of 11 ft 9 in (3577 mm) with standard tires and standard stick.
Y___ N___		Unit shall have a maximum overall transport height of 11 ft 11 in (3631 mm) with standard tires and extendible stick.
Y___ N___		Unit shall have a maximum height to the top of the canopy of 9 ft 3 in (2819 mm) with standard tires.
Y___ N___		Maximum overall transport length shall be 24'4" (7423 mm) with standard tires and standard stick
Y___ N___		Maximum overall transport length shall be 24'5" (7440 mm) with standard tires and extendible stick
Y___ N___		Unit shall have a maximum width of 7'7" (2322 mm) with a general-purpose bucket.
Y___ N___		Unit shall have a minimum wheelbase of 7'3" (2200 mm).
ENGINE		
Y___ N___		Engine must comply with U.S. EPA Tier 4 Final / EU Stage IV off road emission requirements.
Y___ N___		Machine shall utilize Selective Cataytic Reduction (SCR)
Y___ N___		Engine shall have an economy mode to help maximize fuel efficiency, while maintaining backhoe performance
Y___ N___		Turbocharged engine net flywheel horsepower shall be at least 109 HP (81 kW) @ 2200 RPM according to SAE J1349.
Y___ N___		Turbocharged engine net flywheel horsepower shall be at least 110 HP (82 kW) @ 2200 RPM according to ISO9249.
Y___ N___		Turbocharged engine net peak flywheel horsepower shall be at least 110 HP (82 kW) @ 1800 RPM according to SAE J1349.
Y___ N___		Turbocharged engine net peak flywheel horsepower shall be at least 111 HP (83 kW) @ 1800 RPM according to ISO 9249.
Y___ N___		Net peak torque at 1400 rpm shall be not less than 360 ft-lb (488 N-m) with 39% torque rise.
Y___ N___		Engine compartment side panels shall have standard noise reduction and heat control insulation.
Y___ N___		Units shall be equipped with a turbocharged, four cylinder, direct injection diesel engine with high strength, cast iron alloy single block design for high strength and long life.
Y___ N___		The engine shall have three-ring pistons made of lightweight, silicon/aluminum alloy for strength and maximum thermal conductivity.
Y___ N___		The engine shall have a forged chrome/molybdenum-steel crankshaft with salt bath nitro carburized pins and journals.
Y___ N___		The engine shall have front and rear crankshaft oil seals that are "lip" type Viton and PTFE designs featuring an integral dust lip.
Y___ N___		The engine shall have nitrided, martensitic chrome silicon steel inlet valves and nitrided, austenitic chrome manganese-nickel steel exhaust valves for durability.
Y___ N___		The engine shall have a high strength, deep skirt cylinder block that is a cast iron alloy, monobloc design for increased strength and long life.

430 BID SPECS1

Y___ N___	The engine shall have a high strength cylinder head that is a cast iron alloy construction with extra duty wall and deck thickness, including intake and exhaust ports that are precision cast to promote optimum gas flow.
Y___ N___	The engine shall have a high pressure, direct injection fuel system providing accurate fuel delivery with a mechanically driven fuel transfer pump for reliability.
Y___ N___	Engine shall have a fuel filtration rating of no more than 10-micron for the primary fuel filter / water separator.
Y___ N___	Engine shall have a secondary fuel filter with a rating of no more than 4-microns.
Y___ N___	Engine shall have a vertical spin-on fuel filters.
Y___ N___	Engine shall be equipped with electric fuel priming pump as standard equipment.
Y___ N___	Engine shall have a water/sediment bowl with water separator service indicator light.
Y___ N___	The engine shall have an internally mounted, dry-type, perimeter seal air cleaner with an integral precleaner, automatic dust ejection system, and filter condition indicator.
Y___ N___	The engine will have a standard glow plug starting aid for efficient cold weather starting to -20 degrees F (-28 degrees C) without using ether.
Y___ N___	The engine shall have a high contact ratio gear train, peripheral fixed isolation top cover and open deck block design to reduce bare engine noise.
Y___ N___	Heat exchangers shall be located within the engine compartment for easy service access.
Y___ N___	Engine shall be protected to a minimum -34 degrees F (-36.7 degrees C) with extended life antifreeze that needs not to be replaced for 5 years.
Y___ N___	Optionally, engine shall be protected to a minimum -58 degrees F (-50 degrees C) with extended life antifreeze that does not need to be replaced for 5 years.
Y___ N___	Engine cooling fan shall have a heavy-duty guard that fully prevents human contact while in operation.
Y___ N___	Radiator shall have a heavy-duty guard to resist continued impact at low speeds.
Y___ N___	Coolant circulation shall be provided by a gear-driven water pump, not solely belt driven, to prevent accessory belt slip and continue coolant circulation in the event of a belt failure.
Y___ N___	Engine shall be equipped with an alternator that has a charging capacity of minimum 150 amperes.
Y___ N___	Engine shall be equipped with one maintenance-free 880 CCA battery, with the option for two such batteries.
Y___ N___	Engine shall be equipped with a 12-volt direct-electric starting and charging system.
Y___ N___	Machine shall be equipped with a standard battery disconnect switch
Y___ N___	Engine shall be equipped with a single, automatically tensioned, serpentine accessory belt.
Y___ N___	Engine air filter shall have a pre-cleaner and a dust ejector.
Y___ N___	Engine shall have variable-speed, hand and foot governor controls.
Y___ N___	Engine shall have a full flow spin-on type oil filter that is vertically mounted below the crankshaft centerline.
Y___ N___	Engine shall have replaceable valve guides and valve seats for extended service life.
Y___ N___	Backhoe joystick shall be equipped with a quick idle down feature that lowers the engine speed to 1,000 rpm
Y___ N___	Machine shall have Automatic Engine Speed Control that reduces engine speed when the backhoe is not in use. This will conserve fuel and lower emission noise
POWERTRAIN/TRANSMISSION	
Y___ N___	Transmission shall have an electric, neutral lock switch on the front console to prevent driveline engagement
Y___ N___	Transmission, differentials, and hydraulics shall have separate fluid reservoirs.
Y___ N___	4WD shall be pendulum mounted, grease-free with sealed for life kingpins, able to be engaged "on-the-go" while under load or any operating condition.
Y___ N___	4WD shall be engaged at anytime by activating switch on front console. An operator shall be able to activate the switch while the machine is moving or stopped, also with or without a load

430 BID SPECS1

Y___ N___	4WD guard shall provide full coverage between the frame rails to protect the front drive shaft.
Y___ N___	Unit shall be able to change direction and travel speed on-the-go.
Y___ N___	Forward/reverse shuttle shall be a contactless unit for reliability.
Y___ N___	Units shall be equipped with a transmission disconnect button on the gear shifter and loader control to allow full engine power to the loader.
Y___ N___	Transmission shall be made, serviced and supported by the machine manufacturer.
Y___ N___	Transmission shall have spin-on type oil filter vertically mounted.
Y___ N___	Differential lock shall be located on the loader joystick control
Y___ N___	The automatically shifting transmission shall have a manual override switch to allow the operator full control over the gear selection.
Y___ N___	Unit shall be equipped with a digital torque converter temperature.
Y___ N___	Unit shall have a single stage torque converter of no less than 2.63:1 stall ratio.
Y___ N___	Unit shall have a high gear speed of no less than 25 mph (40.0 kph).
Y___ N___	Unit shall have 4 forward gears, 4 reverse gears, and a fully synchronized Power-Shuttle transmission coupled with electro-hydraulically shifted forward and reverse shuttle clutches.
Y___ N___	Automatically shifting transmission with 6 forward and 3 reverse shall be offered as an option with "kick-down" capability.
Y___ N___	Planetary Drive shall have four reduction (sun gears) in the front drive.

STEERING

Y___ N___	Oscillation shall be no less than 11 degrees each side direction from centerline.
Y___ N___	Machine shall have hydrostatic steering.
Y___ N___	Steering cylinder shall be double acting with a 52-degree steering angle.
Y___ N___	Standard variable speed steering for quicker turning
Y___ N___	Unit shall have a minimum 4WD steering cylinder size of 2.6" (65mm) bore, 4.7" (120 mm) stroke, and 1.42" (36mm) rod diameter.
Y___ N___	Unit shall have a minimum 2WD steering cylinder size of 2.6" (65mm) bore, 4.7" (120 mm) stroke, and 1.4" (36 mm) rod diameter.

BRAKES

Y___ N___	Brake mode selector switch shall have a 3 position switch allowing 2WD, 2WD travel with 4WD braking and full time four wheel drive.
Y___ N___	Two wheel drive with four wheel braking must be available at all speeds and when the machine is in any gear.
Y___ N___	Parking/secondary brakes shall be independent of the service brake system, allow operator complete control for a modulated stop, and shall be mechanically applied and adjusted from the cab without the need for tools.
Y___ N___	Foot-operated brake pedals shall be able to be interlocked for roading.
Y___ N___	Service brakes shall be hydraulically boosted for low pedal efforts.
Y___ N___	Service brakes shall be completely enclosed and sealed using Kevlar as brake pad media.
Y___ N___	Brakes shall be outboard oil-immersed, hydraulically actuated, multiple discs on final drive input drive shaft.
Y___ N___	Service brakes shall be fully self-adjusting.

HYDRAULIC SYSTEM

Y___ N___	Hydraulic system shall include high-pressure hoses consisting of 4 layers of overlapping insulated spiral wire matrix.
Y___ N___	A single, optional auxiliary hydraulic circuit shall be capable of operating hammers, compactors, cold planers, augers, thumbs, side tilt couplers and other work tools
Y___ N___	Machine must have adjustable auxiliary flow control for better controllability of attachments
Y___ N___	Machine shall be able to reach maximum lift capacity at any engine speed.

430 BID SPECS1

Y___ N___	Maximum hydraulic pump pressure shall be at least 3,600 psi (25, 000 kPa) for the backhoe and at least 3,600 psi (25, 000 kPa) for the loader
Y___ N___	Hydraulic system shall have a replaceable 6-micron vertically mounted, bowl and cartridge filter that is accessible from under the main frame.
Y___ N___	Hydraulic pump shall be rated at 43gpm (163 lpm)
Y___ N___	Machine shall have an electronically controlled variable displacement load sensing, axial piston pump for low idle lifting and maximum durability.
Y___ N___	Closed-center implement valves shall be standard
Y___ N___	Unit shall contain flow sharing valves to allow for machine multifunction
Y___ N___	Machine shall be equipped with an electronic pump torque limiter
Y___ N___	Hose fitting shall have O-ring face seal connections for maximum seal reliability.
Y___ N___	Hydraulic tank shall be mounted towards the rear of the engine above the pump, enabling the hood of the machine to slope downward for visibility and to keep positive pressure into the pump supply hose.
Y___ N___	Hydraulic tank shall be made of non-metallic material to eliminate both weld shop contamination and the possibility of rust formation.
Y___ N___	Supply hose to the pump shall be protected high within the chassis and not vulnerable to puncture.
Y___ N___	Backhoe hydraulic lines shall be fastened and constrained from hanging low within the chassis, preventing hoses from damage.
Y___ N___	Combination auxiliary lines shall be available for both one way or two way flow
Y___ N___	All implement hydraulic lines will incorporate hoses with a high wear resistant coating.
Y___ N___	All hydraulic hoses restrained by rubber grommets and steel band clamps shall have full protective coverage by the rubber grommet, preventing cuts and chaffing by the band clamps.

AXLES

Y___ N___	Front axle shall be pendulum mounted, permanently sealed and lubricated
Y___ N___	Rear axle shall have differential lock with "on-the-go" engagement.
Y___ N___	2WD front axle shall have a minimum static load rating of 50582 lbs (22964 kg).
Y___ N___	2WD front axle shall have a minimum dynamic load rating of 20233 lbs (9186 kg).
Y___ N___	4WD front axle shall have a minimum static load rating of 50582 lbs (22964 kg).
Y___ N___	4WD front axle shall have a minimum dynamic load rating of 20233 lbs (9186 kg).
Y___ N___	Rear axle shall have a minimum static load rating of 50582 lb (22964 kg).
Y___ N___	Rear axle shall have a minimum dynamic load rating of 20233 lbs (9186 kg).
Y___ N___	The final drives shall be heavy-duty outboard planetary type, distributing loads over three gears sealed in separate oil compartments for long-life and minimum service
Y___ N___	Heavy-duty rear axle shall be semi-floating with self-adjusting inboard brakes.

WHEELS/TIRES

Y___ N___	Machine shall have 2WD with an option for 4WD.
Y___ N___	4WD Tires shall be no less than 12.5/80-18 12PR (front) and 19.5 – 24 12PR (rear) with radial tires.
Y___ N___	All valve stems to be protected by metal valve stem covers
Y___ N___	Front tires shall ride inside loader bucket cutting width.

OPERATORS STATION

Y___ N___	OSHA approved ROPS/FOPS shall be integral with cab and canopy.
Y___ N___	On ROPS canopy units an optional, lockable vandalism cover will be available which protects the instrument gauges, key switch and electrical switches on the right console.
Y___ N___	Operator shall have complete control to disable, or lock, the backhoe Pilot Controls with a single switch on the console.

430 BID SPECS1

Y___ N___	The backhoe Pilot Controls locking switch shall always indicate the correct state of the controls, "locked" or "unlocked," and be lighted when "locked".
Y___ N___	Pilot Controls for the backhoe shall be adjustable fore/aft, side to side and actuated by a foot control
Y___ N___	Machine shall come standard with horn, audible back up alarm and electric fuel system shut off.
Y___ N___	The governor pedal shall be hinged and mounted to the floor for maximum pedal positioning control.
Y___ N___	Engine RPM shall also be controlled by electronic rotary dial
Y___ N___	Side instruments shall include a premium gauge cluster consisting of LCD Information screen and LCD warnings. LDC warns shall include; Engine Oil Pressure, Machine Locked, Service Due, Air Filter Blocked, High Coolant Temperature, Auto Idle Shutdown, High Torque Converter Temperature and Hydraulic Filter Bypass
Y___ N___	Unit shall have a lighted instrument panel located on the right side of the cab so that it is visible from both loader and backhoe operating positions. Indicator lights to include, Water in Fuel, Remote dial throttle active, engine warning, warning lamp, emissions module malfunction, AESC active, Regen Inhibited, Low battery/charging system warning, high hydraulic oil temperature, Wait to start and Eco Mode Active
Y___ N___	Canopy machines shall include two front and two rear working lights.
Y___ N___	Cab machines shall include four front and four rear working lights.
Y___ N___	Machine shall have stop and turn signals with flashing hazard lamps visible from front and rear.
Y___ N___	Electric auxiliary socket shall be available on roof for connection to items such as a rotating beacon.
Y___ N___	Roof cab shall have three magnetic beacon locations.
Y___ N___	Optional cargo net liner shall be available for additional storage
Y___ N___	A switch, accessible to the operator from the seat, shall control the auxiliary socket, primarily used for beacon operation.
Y___ N___	Operator's compartment shall come equipped with a standard air suspension seat that can be adjusted in the fore/aft position and has a lever that controls the release for rotation at 180 degree swivel from anywhere on a sliding track mechanism.
Y___ N___	Equipped with the standard steering wheel, the seat shall be able to swivel 180 degrees in a single motion without contacting the steering wheel or pilot control pods.
Y___ N___	Standard seat shall be covered with vinyl with open canopy models or cloth covered Mylar in enclosed cab models.
Y___ N___	Optional heated seat shall be available with enclosed cab
Y___ N___	With doors and windows closed, machine operating at maximum governed speed unit shall have a maximum operator sound exposure Leq of 79 dB(A) according to SAE J1166.
Y___ N___	Stabilizer controls shall be conveniently located to the operator's left side/hand.
Y___ N___	Tilt steering wheel shall be standard for operator comfort.
Y___ N___	Optional tilt and teleschoping steering wheel shall be available for additional operator comfort
Y___ N___	Canopy models shall have an optional fan available
Y___ N___	Cab shall have an optional air conditioner that provides the operator with a choice of fresh outside air drawn through filters or recirculating cab air with HVAC recirculation selector
Y___ N___	Cab shall have an optional heat settings
Y___ N___	Cab shall be equipped with two doors and 6 opening windows and floor mat.
Y___ N___	Operator's compartment shall feature laminated safety glass on front, windshield and tempered glass on all other windows.
Y___ N___	Cab shall include factory-installed heater/defroster with multiple speed blower with the control in reach from the front and rear of the machine.
Y___ N___	Heater will have a minimum rated capacity of 28,742 BTU and be equipped with a 365 cfm fan.
Y___ N___	All removable glass panels shall be flat glass for easy and low cost service
Y___ N___	All rear window sections shall stow overhead, inside the cab for maximum visibility, ventilation and operator comfort.

430 BID SPECS1

Y___ N___	All rear window sections shall open upwards and store overhead with outside portion facing upwards to keep water droplets and dirt from falling on operator.
Y___ N___	Each side of the cab shall have two windows sharing a common hinge that are of approximately equal size, can be fastened together, then swung to either a front or rear securing point to maximize cross flow ventilation.
Y___ N___	If equipped with an enclosed cab, front and rear windshield wipers/washers shall be standard.
Y___ N___	If equipped with an enclosed cab, unit shall have a pantography front windshield wiper and intermittent rear windowshield wiper
Y___ N___	Enclosed cab shall have a front window visor that extends entire width of window
Y___ N___	Exhaust stack shall be located to the side an aligned with ROPS as to not obstruct operators vision.
BACKHOE	
Y___ N___	Backhoe shall be center-pivot type complete with hydraulic stabilizers.
Y___ N___	Maximum boom width shall be no wider than 10 inches (254 mm).
Y___ N___	Backhoe shall come standard with a curved boom for its ability to work in confined areas and to reach over obstacles, allowing a minimum of 10.5" (265 mm) of clearance as measured in the deepest point from a plane, subtended through the axis of the rotation
Y___ N___	Per SAE standards, rated bucket digging force shall be a minimum of 14,431 lb (64.19 kN) with a standard stick and 14,228 lb (63.29 kN) with an extendible stick.
Y___ N___	Per SAE standards, stick-digging force shall be a minimum of 9,781 lbs (43.5 kN) with a standard stick and 9,757,lb (43.4 kN) with a fully retracted extendible stick.
Y___ N___	Backhoe reach, from the swing pivot, shall be no less than 18'5" (5612 mm) with a standard stick and 21'10" (6652 mm) with a fully extended, extendible stick.
Y___ N___	Backhoe shall have a loading height of no less than 11'11" (3642 mm) with a standard stick.
Y___ N___	Backhoe bucket shall have a minimum of 205 degrees of bucket rotation in a single pin position.
Y___ N___	Backhoe shall have a minimum cushioned swing arc of 180 degrees.
Y___ N___	Per SAE J31, backhoe stick lifting ability at 8 ft (2438 mm) shall be no less than 5961 lb (2704 kg) with a standard stick.
Y___ N___	Per SAE J31, backhoe stick lifting ability at 8 ft (2438 mm) shall be no less than 5498 lb (2492 kg) with a fully retracted extendible stick.
Y___ N___	Per SAE J31, backhoe boom lifting at 8 feet (2438 mm) shall be no less than 3700 lbs (1678 kg) with a standard stick.
Y___ N___	Per SAE J31, backhoe boom lifting at 8 feet (2438 mm) shall be no less than 3241 lbs (1470 kg) with a fully retracted extendible stick.
Y___ N___	Extendible stick shall be available.
Y___ N___	Optional extendible stick shall be field adjusted in less than 30 minutes to eliminate excessive clearance, using simple hand tools
Y___ N___	All sticks shall have serrated edges, at least 28" (760 mm) long, to help clamp objects securely with bucket.
Y___ N___	All sticks shall be thumb-ready with thumb cylinder mounts and stops standard. Thumb must be able to be added without welding.
Y___ N___	Extendible stick shall be self-lubricating, adjusted with shims, and require no grease.
Y___ N___	Boom cylinder shall be exterior mounted for serviceability.
Y___ N___	Stick cylinder shall be exterior mounted for serviceability.
Y___ N___	Boom and stick shall be weld repairable.
Y___ N___	Backhoe shall be equipped with a swing transport lock.
Y___ N___	Backhoe shall be equipped with a boom lock that can be controlled from the seat.
Y___ N___	Pattern changer shall be available for switching Backhoe and Excavator control patterns with an electric switch, located within the operator's station
Y___ N___	Backhoe controls shall be available as pilot operated joystick controls with a standard pattern changer for SAE excavator or ISO backhoe control patterns.

430 BID SPECS1

Y___ N___	Backhoe shall be controlled with adjustable excavator style pilot operated joystick controls.
Y___ N___	Auxiliary controls shall be controlled by a electro-hydraulic thumb roller
Y___ N___	Auto-up stabilizer controls shall be available.
Y___ N___	Stabilizers shall be located on the side console for easy access whether facing front or rear.
Y___ N___	Stabilizer guards shall be available to protect stabilizer cylinders from damage
Y___ N___	Backhoe shall have stabilizer lock valves as standard equipment.
Y___ N___	Flip over stabilizer pads shall have a dirt grouser.
Y___ N___	Stabilizer spread in the operating position to the center of the pad shall be at least 10'10" (3310 mm).
Y___ N___	Stabilizers shall be able to lift the machine high enough to clear tires, on concrete with street pads.
Y___ N___	Swing trunnion shall be supported on each side by two bolts loaded in tension .
LOADER (SELECT BUCKET)	
Y___ N___	Integrated Tool Carrier loader shall be controlled by pilot operated controller
Y___ N___	A continuous flow button for the Integrated Tool Carrier shall be available to allow the operator to set the auxiliary hydraulic flow at any flow setting needed.
Y___ N___	Machine shall have parallel lift for better load retention and improved material handling
Y___ N___	Loader parallelism must be accomplished mechanically for reliability. Controlling the tilt cylinder for parallelism is not acceptable
Y___ N___	Optional MP bucket shall be controlled by a purpose designed electro-hydraulic controller
Y___ N___	Loader frame/linkage shall be of a tool carrier desing including a hydraulic quick coupler actuated from inside the cab
Y___ N___	Operator shall be able to easily remove the loader bucket attachment and quickly couple a fork carriage, material handling arm, broom, or other various attachments without leavign the cab except to connect hydraulic lines
Y___ N___	Loader bucket shall not roll back, and must not move under normal dig operations.
Y___ N___	Loader shall have positive down pressure sufficient to lift tractor front end off level ground.
Y___ N___	1.25 CYD (0.96 m3) General Purpose bucket. Machine shall meet the following specifications Minimum breakout force of 10,405 lbs (46.3 kN) Minimum dump clearance of 8'9" (2679 mm) at full lift and 44 degree discharge Minimum dig depth of 4" (104 mm) Minimum hinge pin height 11'5" (3490 mm) Minimum lift capacity 8,193 lbs (3716 kg) Minimum rackback angle at Ground Level of 40 degrees
Y___ N___	1.31 CYD (1.00 m3) Multi Purpose bucket (4 in 1). Machine shall meet the following specifications Minimum breakout force of 11,117 lbs (49.5 kN) Minimum dump clearance of 9'0" (2745 mm) at full lift and 44 degree discharge Minimum dig depth of 4" (95 mm) Minimum hinge pin height 11'5" (3490 mm) Minimum lift capacity 7,542 lbs (3421 kg) Minimum rackback angle at Ground Level of 39 degrees
Y___ N___	Loader shall be equipped with a return-to-dig mechanism.
Y___ N___	Loader shall be equipped with a lift cylinder brace to mechanically hold the loader arms in the raised position.
Y___ N___	Multi-Purpose bucket shall be operated by a thumb control on the loader joystick
Y___ N___	Loader shall incorporate a steel bumper system to protect battery and engine components.

430 BID SPECS1

Y___ N___	Loader arm torque tube shall be constructed such that it is welded to each side of each loader arm section, providing maximum strength with minimal weld stress.
Y___ N___	Loader linkage shall incorporate a single, full width main tower pin for maximum strength and load distribution.
Y___ N___	Loader bucket shall be suitable for general purpose with heavy-duty characteristics including high strength wear material in the leading edges of the lower side corners, equaling the material properties of the base cutting edge.
Y___ N___	Loader bucket base cutting edge shall be specially hardened steel, achieving Rockwell hardness of 50 or greater.
Y___ N___	Loader bucket shall have a 2-piece or 3-piece bolt-on cutting edge for serviceability.
Y___ N___	Loader bucket dump time shall be no more than 3.0 seconds at full raised position.
Y___ N___	Loader bucket shall be self-leveling for truck loading spoil and equipped with a bucket tilt indicator.
Y___ N___	Loader bucket lower time from full raised position to digging position shall be no more than 3.2 seconds.
Y___ N___	Loader bucket raise time to full height shall be no more than 4.0 seconds.

WORK TOOL OPTIONS

Y___ N___	The OEM shall offer buckets in varying widths and capacities.
Y___ N___	Buckets shall be equipped with pin-on tooth tips that are exchanged whereby the pin retainers are diagonal or vertical, allowing them to be extracted or inserted with a hammer and punch only.
Y___ N___	A quick coupler system shall be available (mechanical and hydraulic), which will pick up the 'direct mounted' worktools.
Y___ N___	All backhoe sticks shall be made thumb-ready, allowing bolt-on installation of thumbs, cylinder, hydraulics and hardware without welding.
Y___ N___	Material handling options shall include: pallet forks and material handling arm
Y___ N___	Special application options shall include: dozer blades, snow plows, hydraulic booms, and loader rakes.

SERVICEABILITY

Y___ N___	Hood release to be lockable and easily accessible from inside the cab.
Y___ N___	Engine oil, transmission oil, hydraulic oil, brake fluid, washer fluid, coolant, engine air filter, and engine air filter monitor shall all be consolidated service points, accessible under the hood with loader arms down.
Y___ N___	Entire machine cooling package, including radiator, transmission oil cooler, hydraulic oil cooler, fuel cooler and ATAAC shall be easily accessible without use of tools.
Y___ N___	Water and sediment shall be drained from the fuel / water filter from a standing position without tools.
Y___ N___	The battery(ies) shall be accessible without the use of hand tools to remove panels, toolboxes, etc.
Y___ N___	Unit shall come standard with machine jump posts
Y___ N___	The swing frame shall have replaceable bushings installed in the pin joints for the boom, swing cylinder rod ends and swing post.
Y___ N___	Swing cast shall utilize serrated pins and dimpled bearings for grease rotation
Y___ N___	Machine shall have easily accessible jumper posts to aid in jump-starting machine or other machines.
Y___ N___	The hydraulic tank shall be drained through a petcock and drain hose, without need for hand tools.
Y___ N___	The rear axle shall have brake wear check ports, allowing access to inspect brake pad wear.
Y___ N___	The machine will be equipped with an electronic diagnostic port within the operator station, allowing service codes to be downloaded and electronic parameters to be adjusted.
Y___ N___	Fuel tank shall contain a debris screen

430 BID SPECS1

Y___ N___	Machine fault codes shall be accessible from LCD screen
Y___ N___	The unit shall be provided with a master electrical disconnect switch.
Y___ N___	Optional extendible stick shall be field adjustable using common hand tools.
MINIMUM SERVICE FILL CAPACITIES	
Y___ N___	Standard front axle capacity (4WD) shall not be less than 2.9 gallons (11 L), with planetary capacity no less than .2 gallons (.7L).
Y___ N___	Standard rear axle capacity shall not be less than 4.4 gallons (16.5 L).
Y___ N___	Standard high-ambient cooling system capacity shall not be less than 5.9 gallons (22.5 L).
Y___ N___	Standard engine oil with filter capacity shall not be less than 2.3 gallons (8.8 L).
Y___ N___	Standard fuel tank capacity shall not be less than 42 gallons (160 L)
Y___ N___	Standard diesel exhaust fluid tank capacity shall not be less than 5 gallons (19 L)
Y___ N___	Standard hydraulic system capacity shall not be less than 25.1 gallons (95 L).
Y___ N___	Standard hydraulic tank capacity shall not be less than 10.6 gallons (40 L).
Y___ N___	Standard transmission (2WD, Power Shuttle) capacity shall not be less than 4.0 gallons (15 L)
Y___ N___	Standard transmission (4WD, Power Shuttle) capacity shall not be less than 4.0 gallons (15 L)
Y___ N___	Optional transmission (2WD, Autoshift) capacity shall not be less than 5.0 gallons (19 L)
OWNING AND OPERATING COSTS	
Y___ N___	Front axles shall have sealed king pin and center pendulum bearings.
Y___ N___	Driveshaft universal joints shall be maintenance free.
Y___ N___	Standard fill hydraulic oil must be Advanced HYDO 10 with up to 6000hr service interval in typical applications.
Y___ N___	Load Sensing Variable Displacement pump shall be standard for optimized fuel efficiency and performance.
Y___ N___	Front and Rear Axle Oil change shall have a 1000- hour change interval for lowering operating maintenance cost
Y___ N___	Cooling System shall have a 12,000-hour change interval for lowering operating maintenance cost
Y___ N___	Engine shall have a 500-hour oil change interval for lowering operating maintenance cost.
ADDITIONAL FEATURES	
Y___ N___	Machine shall be equipped with an optional, on-board machine communication system, recording and transmitting GPS, service hour reading, fuel tank reading and ignition status.
Y___ N___	Machine shall be equipped with an optional, on-board machine communication system, recording and transmitting GPS, service hour reading, fuel tank reading and ignition status.
Y___ N___	Optional front fenders shall be available from the OEM, articulating with the tires for maximum coverage.
Y___ N___	An optional protective shield shall be available from the OEM for flying object applications, such as hammer use.
Y___ N___	Machine shall be equipped with an optional OEM anti-theft system, utilizing programmable key identification.

Bid specs are intended for use by North American buyers only and are subject to change. Model configuration may change depending on country of use. Please contact your local Caterpillar dealer for the most up-to-date specifications for your area.

CATERPILLAR LIMITED WARRANTY

For Selected Machine Models Designated by Caterpillar with 12 Month/Unlimited Hour Warranty

Worldwide

Caterpillar Inc. or any of its subsidiaries ("Caterpillar") warrants the following products sold by it to be free from defects in material and workmanship:

- New earthmoving, construction, material handling, forestry product, paving product, compact wheel loader, mini hydraulic excavator, skid steer loader, multi terrain loader, and compact track loader machines designated by Caterpillar as having 12-months/unlimited hour warranty. See your Cat® dealer for a complete listing of covered models.

- Attachments/work tools installed on such machines prior to delivery (unless covered by the Cat Work Tool warranty statement or another manufacturer's warranty). Hammer tool points and compacting plates used on hydraulic hammers are not warranted.

An additional warranty against breakage is applicable to certain Cat ground engaging tools. An additional warranty against wear is applicable to all landfill compactor tips when used in residential waste landfills. Refer to the applicable warranty statements for coverage detail.

This warranty does not apply to:

- Cat Batteries
- Mobil-trac belts, rubber tracks used on multi terrain loaders, compact track loaders, and mini hydraulic excavators
- Cat Work Tools
- Select models designated by Caterpillar that are sold in India and China

These products are covered by other Caterpillar warranties. This warranty is subject to the following:

Warranty Period

For new machines and work tools/attachments the warranty period is 12-months/unlimited hours, starting from date of delivery to the first user.

Note:

- For hydraulic line's quick connect/disconnect components sold on compact wheel loaders, mini hydraulic excavators, skid steer loaders, multi terrain loaders, and compact track loader machines, the warranty period is 50 hours starting from the date of delivery to the first user.
- For Draglines, Electric Rope Shovels, Hard Rock Movers, Hard Rock Feeders, the warranty period is not to exceed 24 months from shipment of the last major component from the Caterpillar place of manufacture.

Caterpillar Responsibilities

If a defect in material or workmanship is found during the warranty period, Caterpillar will, during normal working hours and at a place of business of a Cat dealer or other source approved by Caterpillar:

- Provide (at Caterpillar's choice) new, remanufactured, or Caterpillar approved repaired parts or assembled components needed to correct the defect.

Note: New, remanufactured, or Caterpillar approved replacement parts provided under the terms of this warranty are warranted for the remainder of the warranty period applicable to the product in which installed as if such parts were original components of that product. Items replaced under this warranty become the property of Caterpillar.

- Replace lubricating oil, filters, antifreeze, and other service items made unusable by the defect.
- Provide reasonable and customary labor needed to correct the defect.

User Responsibilities

The user is responsible for:

- Providing proof of delivery date to the first user.

- Labor costs, except as stated under "Caterpillar Responsibilities."
- Transportation costs, except as stated under "Caterpillar Responsibilities."
- Premium or overtime labor costs.
- Parts shipping charges in excess of those that are considered usual and customary.
- Local taxes, if applicable.
- Costs to investigate complaints, unless the problem is caused by a defect in Caterpillar material or workmanship.
- Giving timely notice of a warrantable failure and promptly making the product available for repair.
- Performance of the required maintenance (including use of proper fuel, oil, lubricants, and coolant) and items replaced due to normal wear and tear.
- Allowing Caterpillar access to all electronically stored data.

Limitations

Caterpillar is not responsible for:

- Failures resulting from any use or installation that Caterpillar judges improper.
- Failures resulting from attachments, accessory items, and parts not sold or approved by Caterpillar.
- Failures resulting from abuse, neglect, and/or improper storage or repair.
- Failures resulting from user's delay in making the product available after being notified of a potential product problem.
- Failures resulting from unauthorized repair or adjustments, and unauthorized fuel setting changes.

(Continued on the reverse side....)

This warranty covers every major component of the products. Claims under this warranty should be submitted to a place of business of a Cat dealer or other source approved by Caterpillar. For further information concerning either the location to submit claims or Caterpillar as the issuer of this warranty, write Caterpillar Inc., 100 N. E. Adams St., Peoria, IL USA 61629.

Caterpillar's obligations under this Limited Warranty are subject to, and shall not apply in contravention of, the laws, rules, regulations, directives, ordinances, orders, or statutes of the United States, or of any other applicable jurisdiction, without recourse or liability with respect to Caterpillar.

A) For products operating outside of Australia, Fiji, Nauru, New Caledonia, New Zealand, Papua New Guinea, the Solomon Islands, and Tahiti, the following is applicable:

NEITHER THE FOREGOING EXPRESS WARRANTY NOR ANY OTHER WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED, IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS THAT IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT CATERPILLAR EMISSION-RELATED COMPONENTS WARRANTY FOR NEW ENGINES, WHERE APPLICABLE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND SERVICES, AS SPECIFIED HEREIN.

CATERPILLAR IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

CATERPILLAR EXCLUDES ALL LIABILITY FOR OR ARISING FROM ANY NEGLIGENCE ON ITS PART OR ON THE PART OF ANY OF ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN RESPECT OF THE MANUFACTURE OR SUPPLY OF GOODS OR THE PROVISION OF SERVICES RELATING TO THE GOODS.

IF OTHERWISE APPLICABLE, THE VIENNA CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS IS EXCLUDED IN ITS ENTIRETY.

B) For products operating in Australia, Fiji, Nauru, New Caledonia, New Zealand, Papua New Guinea, the Solomon Islands, and Tahiti, the following is applicable:

THIS WARRANTY IS IN ADDITION TO WARRANTIES AND CONDITIONS IMPLIED BY STATUTE AND OTHER STATUTORY RIGHTS AND OBLIGATIONS THAT BY ANY APPLICABLE LAW CANNOT BE EXCLUDED, RESTRICTED OR MODIFIED ("MANDATORY RIGHTS"). ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED (BY STATUTE OR OTHERWISE), ARE EXCLUDED, WITHOUT LIMITING THE FOREGOING PROVISIONS OF THIS PARAGRAPH, WHERE A PRODUCT IS SUPPLIED FOR BUSINESS PURPOSES. THE CONSUMER GUARANTEES UNDER THE CONSUMER GUARANTEES ACT 1993 (NZ) WILL NOT APPLY.

NEITHER THIS WARRANTY NOR ANY OTHER CONDITION OR WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED (SUBJECT ONLY TO THE MANDATORY RIGHTS), IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS THAT IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER.

IF THE MANDATORY RIGHTS MAKE CATERPILLAR LIABLE IN CONNECTION WITH SERVICES OR GOODS, THEN TO THE EXTENT PERMITTED UNDER THE MANDATORY RIGHTS, THAT LIABILITY SHALL BE LIMITED AT CATERPILLAR'S OPTION TO (a) IN THE CASE OF SERVICES, THE SUPPLY OF THE SERVICES AGAIN OR THE PAYMENT OF THE COST OF HAVING THE SERVICES SUPPLIED AGAIN AND (b) IN THE CASE OF GOODS, THE REPAIR OR REPLACEMENT OF THE GOODS, THE SUPPLY OF EQUIVALENT GOODS, THE PAYMENT OF THE COST OF SUCH REPAIR OR REPLACEMENT OR THE ACQUISITION OF EQUIVALENT GOODS.

CATERPILLAR EXCLUDES ALL LIABILITY FOR OR ARISING FROM ANY NEGLIGENCE ON ITS PART OR ON THE PART OF ANY OF ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN RESPECT OF THE MANUFACTURE OR SUPPLY OF GOODS OR THE PROVISION OF SERVICES RELATING TO THE GOODS.

CATERPILLAR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES UNLESS IMPOSED UNDER MANDATORY RIGHTS. IF OTHERWISE APPLICABLE, THE VIENNA CONVENTION (CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS) IS EXCLUDED IN ITS ENTIRETY.

C) For products supplied in Australia:

IF THE PRODUCTS TO WHICH THIS WARRANTY APPLIES ARE:

- I. PRODUCTS OF A KIND ORDINARILY ACQUIRED FOR PERSONAL, DOMESTIC OR HOUSEHOLD USE OR CONSUMPTION; OR
- II. PRODUCTS THAT COST AUD 40,000 OR LESS,

WHERE THOSE PRODUCTS WERE NOT ACQUIRED FOR THE PURPOSE OF RE-SUPPLY OR FOR THE PURPOSE OF USING THEM UP OR TRANSFORMING THEM IN THE COURSE OF PRODUCTION OR MANUFACTURE OR IN THE COURSE OF REPAIRING OTHER GOODS OR FIXTURES, THEN THIS SECTION C APPLIES.

THE FOLLOWING MANDATORY TEXT IS INCLUDED PURSUANT TO THE AUSTRALIAN CONSUMER LAW AND INCLUDES REFERENCES TO RIGHTS THE USER MAY HAVE AGAINST THE DIRECT SUPPLIER OF THE PRODUCTS: OUR GOODS COME WITH GUARANTEES THAT CANNOT BE EXCLUDED UNDER THE AUSTRALIAN CONSUMER LAW. YOU ARE ENTITLED TO A REPLACEMENT OR REFUND FOR A MAJOR FAILURE AND COMPENSATION FOR ANY OTHER REASONABLY FORESEEABLE LOSS OR DAMAGE. YOU ARE ALSO ENTITLED TO HAVE THE GOODS REPAIRED OR REPLACED IF THE GOODS FAIL TO BE OF ACCEPTABLE QUALITY AND THE FAILURE DOES NOT AMOUNT TO A MAJOR FAILURE. THE INCLUSION OF THIS TEXT DOES NOT CONSTITUTE ANY REPRESENTATION OR ACCEPTANCE BY CATERPILLAR OF LIABILITY TO THE USER OR ANY OTHER PERSON IN ADDITION TO THAT WHICH CATERPILLAR MAY HAVE UNDER THE AUSTRALIAN CONSUMER LAW.

TO THE EXTENT THE PRODUCTS FALL WITHIN THIS SECTION C BUT ARE NOT OF A KIND ORDINARILY ACQUIRED FOR PERSONAL, DOMESTIC OR HOUSEHOLD USE OR CONSUMPTION, CATERPILLAR LIMITS ITS LIABILITY TO THE EXTENT IT IS PERMITTED TO DO SO UNDER THE AUSTRALIAN CONSUMER LAW TO, AT ITS OPTION, THE REPAIR OR REPLACEMENT OF THE PRODUCTS, THE SUPPLY OF EQUIVALENT PRODUCTS, OR THE PAYMENT OF THE COST OF SUCH REPAIR OR REPLACEMENT OR THE ACQUISITION OF EQUIVALENT PRODUCTS.

THE WARRANTY SET OUT IN THIS DOCUMENT IS GIVEN BY CATERPILLAR INC. OR ANY OF ITS SUBSIDIARIES, 100 N. E. ADAMS ST, PEORIA, IL USA 61629, TELEPHONE 1 309 675 1000. THE USER IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH MAKING A CLAIM UNDER THE WARRANTY SET OUT IN THIS DOCUMENT, EXCEPT AS EXPRESSLY STATED OTHERWISE IN THIS DOCUMENT, AND THE USER IS REFERRED TO THE BALANCE OF THE DOCUMENT TERMS CONCERNING CLAIM PROCEDURES, CATERPILLAR RESPONSIBILITIES AND USER RESPONSIBILITIES.

TO THE EXTENT PERMISSIBLE BY LAW, THE TERMS SET OUT IN THE REMAINDER OF THIS WARRANTY DOCUMENT (INCLUDING SECTION B) CONTINUE TO APPLY TO PRODUCTS TO WHICH THIS SECTION C APPLIES.

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CONTROL YOUR COSTS MINIMIZE YOUR RISKS

This plan safeguards your investments in new, used and rebuilt machines beyond the standard warranty period. It includes all parts and labor to protect you against failures caused by defects in materials and workmanship. With the Powertrain Equipment Protection Plan, you can increase the predictability of service and maintenance costs—and reduce unplanned downtime.

WHAT WE DO

- Perform necessary inspections to confirm eligibility
- Install parts approved by Caterpillar on covered repairs
- Validate your enrollment in the program

WHAT YOU DO

- Operate equipment according to the Cat Operation & Maintenance Manual (OMM)
- Have recommended preventive maintenance performed at intervals specified in the OMM
- Upon request, provide proof of preventive maintenance compliance (receipts, copies of work orders, invoices)
- Promptly provide the machine for repair in the event of a covered failure

COVERED COMPONENTS

Engine & Accessories

Engine - Internal Components

Oil Cooler

Manifolds

Fan Motor

Water Pump

Fuel Injection Pumps

Injectors

Lift / Transfer Pump

Senders / Solenoids / Sensors

Thermostat

Flywheel & Torque Converter

Engine Oil Filter Mount

Turbocharger

AC Compressor / Condenser

Electronic Control Modules

Oil Hoses / Lines (non-hydrostatic)

Cylinder Block

Piston

Piston Rings

Piston & Connecting Rod

Crankshaft, Main Bearings & Rod

Bearings

Camshaft & Camshaft Bearings

Timing / Accessory Gears

Timing Chain / Belt

Inlet / Exhaust Valve

Valve Cover & Base

Valve Spring & Guide

Rocker Arm

Rocker Shaft Assembly

Push Rod

Balancer

Fuel Pump / Governor Drive

Oil Pump

Oil Pan Group

Fan & Fan Drive

Transmission

Transmissions

Hydraulic Controls

Transmission Oil Filter Base

Transmission Gears

Final Drives/Planetary

Drive Shafts

Transfer Case

Hydrostatic Pumps &

Drive Motors

Linkage / Lines Connected to

Hystat Pump

Drive (pilot / eh) Control Valves

Bevel and Transfer Case

Drive Line/Drive Axle

Axles

Axle Seals

Final Drive & Wheel

Final Drive Case / Bore

Final Drive Chain

Final Drive Gears

Axle Shaft

Drive Axle Oil Pump

Steering

Steering Clutch

Steering Clutch & Brake Control Valve

Hydraulic Systems

Hydraulic Oil Coolers

EXCLUSIONS

If a component is not listed, it may not be included in the plan. Other exclusions include:

- > Improper or abusive use of the machine
- > Lubricating oil, antifreeze, filters, consumables and other maintenance items replaced during the covered component repair, unless such items are rendered unusable by a covered component failure
- > Failures caused by normal wear-out
- > Freight charges for parts shipments
- > Travel time and mileage involved in getting to a job site
- > Hauling costs and / or retrieval costs
- > Overtime labor costs
- > Repair costs resulting from the failure of any non-covered components
- > Downtime loss
- > Equipment rental charges
- > Any incidental / consequential damages or costs incurred as a result of a covered component failure.
- > Modifications unless approved by Caterpillar

Examples of covered and excluded components or items are listed here. The actual dealer contract will govern. For a complete list of included components and more information on Cat Equipment Protection Plans, contact your local Cat dealer.



Employment Eligibility Verification

Version: 1.0
Terence M. Linton

User ID: TMOF0002

Last Login: 09:22 AM - 01/06/2012
Log Out

Click any for help

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[Add New User](#)

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Company Information

Company Name: Thompson Tractor Co., Inc.

[View / Edit](#)

Company ID Number: 47130

Doing Business As (DBA) Name:

DUNS Number:

Physical Location:

Address 1: 2401 Pinson Highway

Address 2:

City: Birmingham

State: AL

Zip Code: 35217

County: JEFFERSON

Mailing Address:

Address 1: P O. Box 10367

Address 2:

City: Birmingham

State: AL

Zip Code: 35202-0367

Additional Information:

Employer Identification Number: 630377478

Total Number of Employees: 1,000 to 2,499

Parent Organization:

Administrator:

Organization Designation:

Employer Category:

NAICS Code: 423 - MERCHANT WHOLESALERS, DURABLE GOODS

[View / Edit](#)

Total Hiring Sites: 40

[View / Edit](#)

Total Points of Contact: 3

[View / Edit](#)

[View / Edit](#)

Request for Taxpayer Identification Number and Certification

Give form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Thompson Tractor Co., Inc. DBA Thompson Power Systems, Thompson Lift Truck Co.

Business name, if different from above

and The Cat Rent Store

Check appropriate box: ☐ Individual/Sole proprietor ☒ Corporation ☐ Partnership

☐ Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶

☐ Other (see instructions) ▶

☒ Exempt
payee

Address (number, street, and apt. or suite no.)

P O Box 10367 2401 Pinson Hwy. Tarrant, AL 35217

City, state, and ZIP code

Birmingham, AL 35202-0367

List account number(s) here (optional)

Lockbox Remit To: P O Box 934065, Atlanta, GA 31193-4005

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

or

Employer identification number

63 : 0377478

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification Instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the Instructions on page 4.

Sign
Here

Signature of
U.S. person ▶

Lynnda K. Duntan, Controller

Date ▶

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

Company ID Number: 47130

the Employer issues a tentative nonconfirmation based upon a photo non-match. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will provide the employee with a referral letter and instruct the employee to contact the Department through its toll-free hotline within 8 Federal Government work days.

5. If the employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will provide the employee with a referral letter to DHS. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will send a copy of the employee's Form I-551 or Form I-766 to DHS for review by:

- Scanning and uploading the document, or
- Sending a photocopy of the document by an express mail account (furnished and paid for by DHS).

7. The Employer understands that if it cannot determine whether there is a photo match/non-match, the Employer is required to forward the employee's documentation to DHS by scanning and uploading, or by sending the document as described in the preceding paragraph, and resolving the case as specified by the Immigration Services Verifier at DHS who will determine the photo match or non-match.

ARTICLE IV

SERVICE PROVISIONS

The SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access the E-Verify System, an Employer will need a personal computer with Internet access.

ARTICLE V

PARTIES

This MOU is effective upon the signature of all parties, and shall continue in effect for as long as the SSA and DHS conduct the E-Verify program unless modified in writing by the mutual consent of all parties, or terminated by any party upon 30 days prior written notice to the others. Any and all system enhancements to the E-Verify program by DHS or SSA, including but not limited to the E-Verify checking against additional data sources and instituting new verification procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes. DHS agrees to train employers on all changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify manual. Even

Company ID Number: 47130

without changes to E-Verify, the Department reserves the right to require employers to take mandatory refresher tutorials.

Termination by any party shall terminate the MOU as to all parties. The SSA or DHS may terminate this MOU without prior notice if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established procedures or legal requirements. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as they may determine.

Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.

Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.

The employer understands that the fact of its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, and responses to inquiries under the Freedom of Information Act (FOIA).

The foregoing constitutes the full agreement on this subject between the SSA, DHS, and the Employer.

The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively.

To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify Operations at 888-464-4218.

Employer Thompson Tractor Co., Inc.

Frank M Wright

Name (Please type or print)

Title

Electronically Signed

07/11/2007

Signature

Date

Department of Homeland Security – Verification Division

Company ID Number: 47130

**INFORMATION REQUIRED
FOR THE E-VERIFY PROGRAM**

Information relating to your Company:

Company Name: Thompson Tractor Co., Inc.

Company Facility Address: 2401 Pinson Highway
Birmingham, AL 35217

Company Alternate Address: P.O. Box 10367
Birmingham, AL 35202-0367

County or Parish: JEFFERSON

Employer Identification Number: 630377478

North American Industry
Classification Systems Code: 423

Parent Company: _____

Number of Employees: 1,000 to
2,499 Number of Sites Verified for: 5

Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State.

- GEORGIA 5 site(s)

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name:	Kimberly A Stark		
Telephone Number:	(205) 849 - 4279	Fax Number:	(205) 849 - 4565
E-mail Address:	kimberlystark@thompsontractor.com		
Name:	Frank M Wright		
Telephone Number:	(205) 849 - 4267	Fax Number:	(205) 849 - 4854
E-mail Address:	frankwright@thompsontractor.com		

Company ID Number: 47130

USCIS Verification Division

Name (Please type or print)

Title

Electronically Signed

07/11/2007

Signature

Date