

REQUEST FOR COUNCIL ACTION

SUBJECT: Approve the annual rental of seven pieces of equipment for the Public Works Department.

SUMMARY: The Public Works Department currently has three pieces of equipment that are being rented from Wheeler Machinery that are due to be replaced, three pieces of equipment owned by the City that need to be replaced and one new piece of equipment requested by the Department. The Fleet Board has met and approved the list of new equipment, this rental is within the available funding.

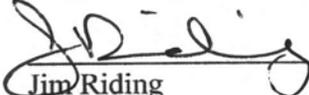
FISCAL IMPACT: In the current fiscal year \$123,310 has been budgeted in the Division Budgets of Wastewater, Streets, Water, Solid Waste, Cemetery & Parks to cover the annual cost of these pieces of equipment. The Excavator (\$23,400 annual cost) was approved in the Council initiatives and is within the Wastewater budget. The annual cost for all seven pieces of equipment will be \$146,310 which is included in the current Division budgets.

STAFF RECOMMENDATION: Staff recommends City Council approve the rental of seven pieces of equipment for the Public Works Department shown on the attached list, and the disposal of the City owned equipment once the replacement equipment is placed in service.

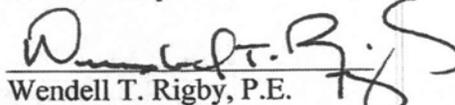
MOTION RECOMMENDED: "I move to adopt Resolution No. 14-183 authorizing staff to proceed with the rental of seven pieces of equipment for the Public Works Department shown on the attached list, and the disposal of the City owned equipment once the replacement equipment is placed in service."

Roll Call vote required.

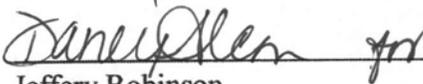
Prepared by:


Jim Riding
CIP/Facilities/Fleet Project Manager

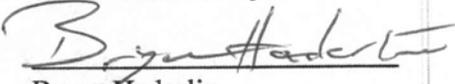
Reviewed by:


Wendell T. Rigby, P.E.
Director of Public Works

Reviewed as to Legal Sufficiency:


Jeffery Robinson
City Attorney

Recommended by:


Bryce Haderlie
Interim City Manager

BACKGROUND DISCUSSION:

City Council previously approved the vehicle replacement budget for the current fiscal year which included the acquisition of a track hoe excavator and trailer in the approved Staff Supplemental Requests.

The City's Fleet Board met on Wednesday August 27th to review each of the pieces of equipment listed below. These were all approved by the board and forwarded to the Finance Department, in preparation of City Council approval, for ordering.

Three of the backhoes are currently being rented from Wheeler Machinery and are due to be replaced. The wheel loader operated by Solid Waste and the back hoe operated by the Cemeteries have reached and exceeded their life expectancy and are due to be replaced. Wheeler Machinery will honor the buyback option on the asphalt paver and replace it with a new one. The excavator is a new piece of equipment that was requested by the Wastewater Department.

The benefit to the City with this program is that the Department will be receiving new equipment which will be replaced every three years per the agreement with Wheeler Machinery, which is on State Contract. This will also reduce the amount of maintenance required. As equipment ages the cost of maintenance always increases as well. Wheeler Machinery will provide the preventative maintenance on the machines as recommended by the manufacturer. West Jordan City will be responsible for fuel, grease, teeth, cutting edges, damages and any additional oils/filters needed between service intervals.

Attached is the packet from our recent Fleet Board meeting which included the pricing and catalog material for the proposed CAT equipment from Wheeler for the proposed rental. The packet is for the requested rental of the following (7) pieces of equipment and miscellaneous attachments:

- F450 backhoe for Utilities – Wastewater
- F430 backhoe for Streets
- F430 backhoe for Water
- 938K wheel loader for Solid Waste
 - Loader plow for wheel loader paid for by Streets Snow Removal
- AP1055E paving machine for Streets
- 320 E hydraulic excavator for Utilities
- 420 F backhoe for Parks/Cemetery

Attachments:

Packet from Fleet Board Meeting
Resolution

THE CITY OF WEST JORDAN, UTAH
A Municipal Corporation

RESOLUTION NO. 14-183

A RESOLUTION AUTHORIZING THE MAYOR TO APPROVE THE ANNUAL RENTAL OF SEVEN
PIECES OF EQUIPMENT FOR THE PUBLIC WORKS DEPARTMENT

Whereas, the City Council of the City of West Jordan has reviewed the information (a copy of which is attached as **Exhibit A**) for the annual rental of seven pieces of equipment for the Public Works Department; and

Whereas, the City Council of the City of West Jordan desires to approve the annual rental of seven pieces of equipment for the Public Works Department.

NOW, THEREFORE IT IS RESOLVED BY THE CITY COUNCIL OF WEST JORDAN, UTAH, THAT:

Section 1. City staff is directed to proceed with the annual rental of seven pieces of equipment for the Public Works Department shown on the attached list, and the disposal of the City owned equipment once the replacement equipment is placed in service.

Section 2. This Resolution shall take effect immediately upon passage.

Adopted by the City Council of West Jordan, Utah this 24th day of September 2014.

Kim V. Rolfe
Mayor

ATTEST:

MELANIE S. BRIGGS
City Recorder

Voting by the City Council	"AYE"	"NAY"
Jeff Haaga	_____	_____
Judy Hansen	_____	_____
Chris McConnehey	_____	_____
Chad Nichols	_____	_____
Ben Southworth	_____	_____
Justin D. Stoker	_____	_____
Mayor Kim V. Rolfe	_____	_____

Equipment Number	Equipment	Department	Division	Annual Rental Cost	Hours per Year	Notes	Term
Rental	CAT 450 F Backhoe	Public Works	Utilities - Wastewater	\$ 9,750.00	750		3 year
Rental	Cat 430 F Backhoe	Public Works	Streets	\$ 10,500.00	750		3 year
Rental	Cat 430 F Backhoe	Public Works	Utilities - Water	\$ 10,250.00	750		3 year
V00113	938 K Wheeler Loader	Public Works	Solid Waste	\$ 26,560.00	500	+ options for fork and snow plow	3 year
V10126	AP1055E Asphalt Paver	Public Works	Streets	\$ 57,500.00	400	Wheeler will honor the previous "buy back option" of \$149,366	3 year
New	320E L Hydraulic Excavator	Public Works	Utilities	\$ 23,400.00	500	+ options for compactor and bucket	3 year
V01116	420F Backhoe	Parks	Cemetery	\$ 8,750.00	500		3 year

"Wheeler Machinery will provide the Preventative Maintenance on the machines as recommended by the manufacturer. West Jordan would be responsible for fuel, grease, teeth, cutting edges, damages and any additional oils/filters needed between service intervals."



8/25/14

West Jordan City
Replacement Backhoes

Caterpillar 450F s/n HJR00287:

Specs- Multi Purpose Clamshell Loader Bucket, 24" Backhoe Bucket
Replacing 450E s/n OEBL00156

Wheeler Machinery will honor previous rate of \$9,750.00 per year for 750 Hours of usage per year.
3 Year Rental utilizing State Contract MA1625
Governmental Purchase Price: \$155,060.00

Caterpillar 430F s/n RDF00634:

Specs- Multi Purpose Clamshell Loader Bucket, Hydraulic Backhoe Thumb, 24" Backhoe Bucket
Replacing 430E s/n SWC00286

Wheeler Machinery will honor previous rate of \$10,500.00 per year for 750 Hours of usage per year.
3 Year Rental utilizing State Contract MA1625
Governmental Purchase Price: \$118,800.00

Caterpillar 430F s/n RDF00593:

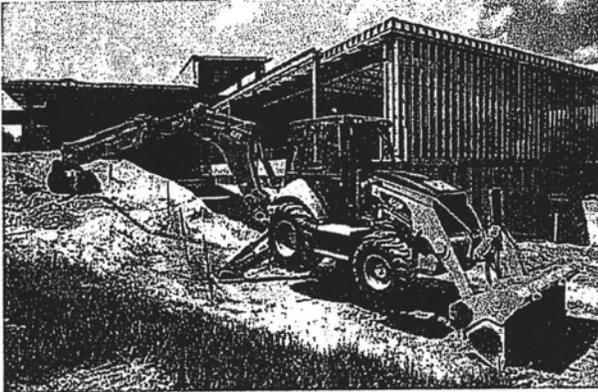
Specs- Multi Purpose Clamshell Loader Bucket, Backhoe Coupler, 12", 16", 24" Backhoe Buckets
Replacing 430E s/n RLN00285

Wheeler Machinery will honor previous rate of \$10,250.00 per year for 750 Hours of usage per year.
3 Year Rental utilizing State Contract MA1625
Governmental Purchase Price: \$112,575.00

Wheeler Machinery has raised their governmental backhoe rental rates drastically since West Jordan City took the 3 backhoes that are being replaced. I have included a copy of our current governmental backhoe program for reference against the rates we are extending to West Jordan City.

All three of these new machines have been ordered and are on site at Wheeler Machinery. They are being prepped in our shop and will be ready for delivery sometime in the next few weeks.

Patrick Wells
Governmental Sales
Wheeler Machinery Co.



Cat[®] 450F

BACKHOE LOADER

FEATURES:

- **Operator Station** – Air suspension seat and ergonomic joystick controls provide a comfortable working environment.
- **Load Sensing Hydraulics** – Electronic pump control provides better pump response for improved hoe and loader productivity, performance and power management.
- **Superior Power** – Increased horsepower delivers greater pushing power, increased aggressiveness in hard bank and faster roading and hill climbing.
- **Ride Control** – Standard Ride Control provides a comfortable ride at all speeds, both on the job site and on the highway. System is designed to provide an improved ride whether the bucket is full or empty.
- **Versatility** – A wide array of Cat[®] Work Tools lets you do more jobs with one machine. A hydraulic thumb is also available. The hydraulic coupler makes work tool changes quick and easy.

Specifications

Engine

Engine Model	Cat C4.4 ACERT™	
Gross Power		
SAE J1995	107 kW	144 hp
ISO 14396	106 kW	142 hp
Rated Net Power @ 2,200 rpm		
SAE J1349	95 kW	127 hp
ISO 9249	96 kW	128 hp
EEC 80/1269	96 kW	128 hp
Bore	105 mm	4.13 in
Stroke	127 mm	5 in.
Displacement	4.4 L	268 in ³
Net Torque Rise @ 1,400 rpm – SAE J1995	31%	
Net Peak Torque @ 1,400 rpm – SAE J1329	536 N·m	396 lb·ft

- Engine meets U.S. EPA Tier 4 Interim/EU Stage IIIB emission standards.

Weights*

Operating Weight – Nominal	10 950 kg	24,141 lb
Operating Weight – Maximum	12 300 kg	27,115 lb
Cab, ROPS/FOPS	252 kg	556 lb
Air Conditioning	71 kg	157 lb
MP Bucket (1.1 m ³ /1.5 yd ³) with Fold-Over Forks	35 kg	78 lb
MP Bucket (1.1 m ³ /1.5 yd ³) without Fold-Over Forks	-125 kg	-276 lb
Extendible Stick	285 kg	628 lb

*Specifications shown are for machine equipped with 1.34 m³ (1.75 yd³) general purpose loader bucket, 610 mm (24 in) heavy duty backhoe bucket, 998 kg (2,200 lb) counterweight, 80 kg (176 lb) operator and full fuel tank.

CAT[®]

450F Backhoe Loader

Transmission

AutoShift Transmission – Standard

Forward – 1st	6 km/h	3.7 mph
2nd	9.6 km/h	6 mph
3rd	20 km/h	12 mph
4th	27 km/h	17 mph
5th	40 km/h	25 mph
Reverse – 1st	6 km/h	3.7 mph
2nd	13 km/h	7.8 mph
3rd	27 km/h	17 mph

Axle Ratings

Front Axle, 4WD		
Static	22 944 kg	50,582 lb
Dynamic	9178 kg	20,233 lb
Rear Axle		
Static	23 250 kg	51,257 lb
Dynamic	9300 kg	20,503 lb

Hydraulic System

Type	Closed Center	
Pump Type	Variable Flow, Axial Piston	
Pump Capacity @ 2,200 rpm	190 L/min	50 gal/min
System Pressure – Backhoe	26 200 kPa	3,800 psi
System Pressure – Loader	24 483 kPa	3,550 psi

Steering

Type	Ackerman	
Power Steering	Hydrostatic	
Bore	85 mm	3.35 in
Stroke	236 mm	9.29 in
Rod Diameter	42 mm	1.65 in
Axle Oscillation	10°	
Turning Circle – 4WD (inner wheel not braked)		
Outside, Front Wheels	8.36 m	27'5"
Outside, Widest Loading Bucket	11.18 m	36'8"

Service Refill Capacities

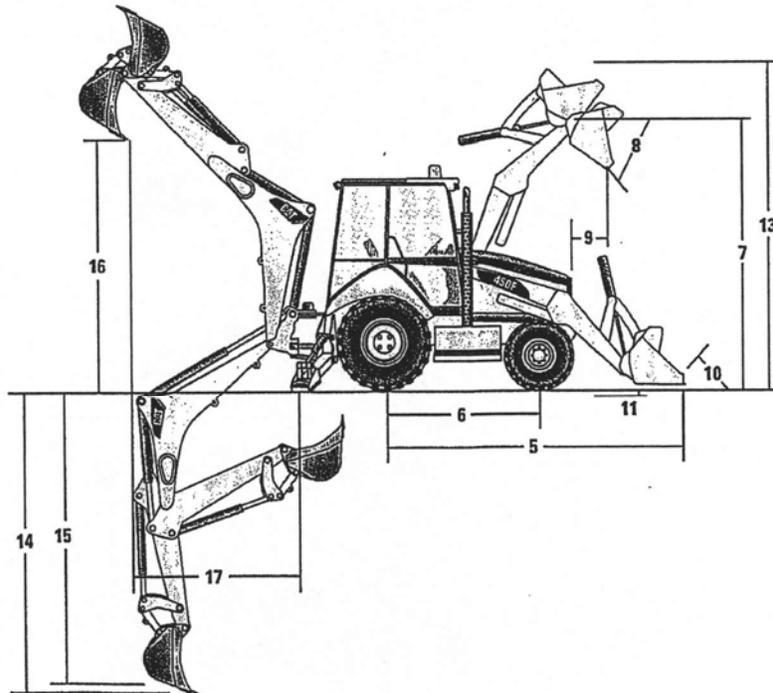
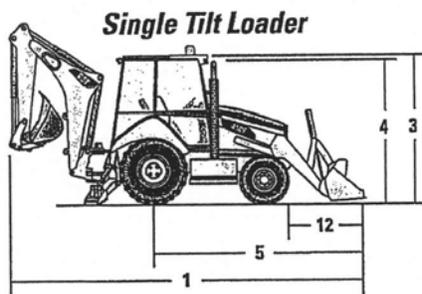
Cooling System with Air Conditioning	20 L	5.3 gal
Fuel Tank	165 L	44 gal
Engine Oil with Filter	8.5 L	2.2 gal
Transmission – Auto Shift	21 L	5.6 gal
Rear Axle Planetaries	19 L	5 gal
Front Axle, 4WD	11 L	2.9 gal
Front Axle, Planetaries	0.8 L	0.2 gal
Hydraulic System	100 L	26.5 gal
Hydraulic Tank	50 L	13.2 gal

- Requires ultra-low sulfur fuel \leq 15 ppm fuel sulfur

Tires

Comes standard with Firestone front/rear tires:

- 12-19.5 12 ply front tires
- 21L-24 16 ply rear tires



450F Backhoe Loader

Machine Dimensions

	Single Tilt Loader					
	General Purpose (1.34 m ³ /1.75 yd ³)		Multi Purpose (1.15 m ³ /1.50 yd ³)		Multi Purpose with Forks (1.15 m ³ /1.50 yd ³)	
1 Overall Length (loader on ground)	7913 mm	26'0"	7786 mm	25'7"	7786 mm	25'7"
Overall Transport Length	7916 mm	26'0"	7826 mm	25'7"	7826 mm	25'7"
2 Overall Transport Height – Standard Stick	4143 mm	13'7"	4143 mm	13'7"	4143 mm	13'7"
Overall Transport Height – Extendible Stick	4159 mm	13'8"	4159 mm	13'8"	4159 mm	13'8"
Overall Width	2436 mm	8'0"	2436 mm	8'0"	2436 mm	8'0"
3 Height to Top of Cab/Canopy	2874 mm	9'5"	2874 mm	9'5"	2874 mm	9'5"
4 Height to Top of Exhaust Stack	2800 mm	9'2"	2800 mm	9'2"	2800 mm	9'2"
Height to Loader Hinge Pin (transport)	469 mm	1'6"	481 mm	1'7"	481 mm	1'7"
Ground Clearance (minimum)	322 mm	1'1"	322 mm	1'1"	322 mm	1'1"
5 Rear Axle Centerline to Front Grill	4494 mm	14'9"	4367 mm	14'4"	4367 mm	14'4"
Front Wheel Tread Gauge	2016 mm	6'7"	2016 mm	6'7"	2016 mm	6'7"
Rear Wheel Tread Gauge	1814 mm	5'11"	1814 mm	5'11"	1814 mm	5'11"
6 Wheelbase AWD	2200 mm	7'3"	2200 mm	7'3"	2200 mm	7'3"

Loader Bucket Dimensions and Performance

	Single Tilt Loader					
	General Purpose (1.34 m ³ /1.75 yd ³)		Multi Purpose (1.15 m ³ /1.50 yd ³)		Multi Purpose with Forks (1.15 m ³ /1.50 yd ³)	
Capacity (SAE rated)	1.34 m ³	1.75 yd ³	1.15 m ³	1.50 yd ³	1.15 m ³	1.50 yd ³
Overall Bucket Width	2434 mm	96"	2425 mm	95"	2425 mm	95"
Lift Capacity at Maximum Height	3570 kg	7,871 lb	3843 kg	8,473 lb	3708 kg	8,174 lb
Breakout Force	50 600 N	11,375 lb	60 889 N	13,688 lb	60 000 N	13,488 lb
7 Maximum Hinge Pin Height	3501 mm	11'6"	3501 mm	11'6"	3501 mm	11'6"
8 Dump Angle at Full Height	43°		43°		43°	
Dump Height at Maximum Angle	2666 mm	8'9"	2759 mm	9'1"	2759 mm	9'1"
9 Dump Reach at Maximum Angle	850 mm	2'9"	779 mm	2'7"	779 mm	2'7"
10 Maximum Bucket Rollback at Ground Level	40°		40°		40°	
11 Digging Depth	146 mm	6"	127 mm	5"	127 mm	5"
Maximum Grading Angle	106°		109°		109°	
Width of Dozer Cutting Edge	N/A		2406 mm	7'11"	2406 mm	7'11"
12 Grill to Bucket Cutting Edge, Carry Position	1665 mm	5'6"	1572 mm	5'2"	1572 mm	5'2"
13 Maximum Operating Height	4528 mm	14'10"	4561 mm	15'0"	4881 mm	16'0"
Jaw Opening Maximum	N/A		864 mm	2'10"	864 mm	2'10"
Bucket Jaw Clamping Force	N/A		39 800 N	8,947 lb	39 800 N	8,947 lb
Weight (does not include teeth or forks)	1043 kg	2,300 lb	957 kg	2,111 lb	1148 kg	2,530 lb

Backhoe Dimensions and Performance

	Standard Stick		E-Stick Retracted		E-Stick Extended	
	14 Digging Depth, SAE (max.)	5260 mm	17'3"	5260 mm	17'3"	6501 mm
15 Digging Depth, 610 mm (2 ft) Flat Bottom	5223 mm	17'2"	5223 mm	17'2"	6466 mm	21'3"
Reach from Rear Axle Centerline at Ground Line	7955 mm	26'1"	7955 mm	26'1"	9137 mm	30'0"
16 Reach from Swing Pivot at Ground Line	6704 mm	22'0"	6704 mm	22'0"	7886 mm	25'10"
Maximum Operating Height	6531 mm	21'5"	6531 mm	21'5"	7375 mm	24'2"
Loading Height	4440 mm	14'7"	4440 mm	14'7"	5194 mm	17'0"
17 Loading Reach	2100 mm	6'11"	2100 mm	6'11"	3112 mm	10'3"
Swing Arc	175°		175°		175°	
Bucket Rotation	198°		198°		198°	
18 Stabilizer Spread, Operating Position (outside)	4055 mm	13'4"	4055 mm	13'4"	4055 mm	13'4"
Stabilizer Spread, Transport Position	2451 mm	8'0"	2451 mm	8'0"	2451 mm	8'0"
Bucket Dig Force	78 938 N	17,746 lb	78 938 N	17,746 lb	78 938 N	17,746 lb
Stick Dig Force	52 401 N	11,780 lb	53 109 N	11,939 lb	40 074 N	9,009 lb

Dimensions and performance specifications shown are for machines equipped with 15-19.5 12 ply front tires, 21K-24 16 ply rear tires, ROPS canopy, standard stick with 610 mm (24 in) standard duty bucket, 1.34 m³ (1.75 yd³) general purpose loader bucket and standard equipment unless otherwise specified.

450F Backhoe Loader

STANDARD EQUIPMENT

- Air cleaner
- Alarm, back-up
- Alternator, 150 ampere
- Audible system fault alarm
- Automatic Engine Speed Control (AESC)
- Battery, two maintenance-free, 880 CCA
- Battery disconnect switch
- Boom transport lock
- Brace, lift cylinder
- Brake, secondary parking
- Brakes, hydraulically boosted, oil disc, dual pedals, interlocking
- Bucket level indicator
- Canopy, ROPS/FOPS
- Cat cushion swing system
- Coat hook
- Coolant/antifreeze, extended life
- Cooling package, single plane
- Counterweight, bumper
- Diesel particulate filter, long life
- Dome light (cab only)
- Diagnostic port for engine, machine and gauge cluster Electronic Control Modules
- Differential lock
- Engine, Cat C4.4 ACERT (Direct Injection Turbocharged), meets U.S. EPA Tier 4 Interim/EU Stage IIIB emission standards
- Engine enclosure
- Face seals, O-ring
- Fan, suction and guard
- Fast reversing shuttle, all gears
- Fender, rear extensions
- Filters, spin-on: fuel, engine oil, transmission oil, water separator
- Filters, bowl and cartridge: hydraulic fluid
- Flashing hazards/signal lights
- Floor mat
- Four Wheel Drive
- Gauge Cluster:
 - Gauges: coolant temperature, fuel level, tachometer
 - LCD screen: hour meter, torque converter oil temperature, hydraulic oil temperature, operator settings, service mode diagnostics
- Ground level fuel fill
- Guard, fuel tank bottom
- Guards, stabilizer
- Hammer rest
- Hood lock
- Hydraulic hose, XT™
- Hydraulic oil cooler
- Hydraulic valve, hydrostatic steering
- Hydraulic valves, loader 2 function
- Hydraulic valves, backhoe 5 function
- Hydraulics, load sensing with variable displacement piston pump
- Indicators: air cleaner service, water separator service, engine coolant, oil pressure, hydraulic temperature, hydraulic bypass, torque converter temperature high, remote throttle, AESC, fuel level, charging, engine warning #1, engine warning #2, action lamp, wait to start
- Instrument panel lights
- Joystick controls: pilot operated, excavator-style with pattern changer
- Key start/stop system
- Lights, working (4 front, 4 rear)
- Loader, self-leveling, return-to-dig and transmission disconnect switch
- Loader, single tilt
- Lunch box and drink holder
- Mirror, rearview
- One-touch low idle
- Open circuit breather
- Pattern changer, in cab
- Power receptacle, 12 volt, 2 internal, 1 external
- Radio ready cab
- Ride Control
- Seat belt, retractable, 51 mm (2 in)
- Stabilizer shoes, reversible
- Steering knob
- Seat, air suspension, fabric or vinyl cover, with armrest
- Starting system, glow plugs
- Steering, hydrostatic
- Storage compartment, internal
- Stop and tail lights
- Swing transport lock
- Tilt steering wheel
- Tires
- Toolbox, external, lockable
- Torque converter
- Throttle, hand and foot, electronic
- Transmission, five speed, syncromesh
- Transmission neutralizer switch
- Transport tie-downs
- Vandalism locks
- Warning horn, electric

OPTIONAL EQUIPMENT

- Cab, deluxe with air conditioning
- 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
- Fenders, front with integral steps
- Hydraulic valves, loader (3rd valve for GP, MP or Quick Coupler)
- Hydraulic valves, backhoe 6 function
- Hydraulic lines, combined function auxiliary
- Machine Security System
- Product Link™
- Rotating beacon, magnetic mount
- Seat belt, 75 mm (3 in)
- Stick, extendible
- 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.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

AEHQ6928 (12-12)

© 2012 Caterpillar
All Rights Reserved
Printed in U.S.A.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.





Cat[®] 430F/430F IT

BACKHOE LOADER

FEATURES:

- **Operator Station** – Air suspension seat and ergonomic joystick controls provide a comfortable working environment.
- **Load Sensing Hydraulics** – Electronic pump control provides better pump response for improved hoe and loader productivity, performance and power management.
- **Superior Power** – Increased horsepower delivers greater pushing power, increased aggressiveness in hard bank and faster roading and hill climbing.
- **Loader Performance** – New front loader arms deliver more reach, dump height and breakout.
- **Backhoe Design** – New beefier swing casting and double clevis design improves durability and reliability.
- **Versatility** – A wide array of Cat[®] Work Tools lets you do more jobs with one machine. A hydraulic thumb is also available. The hydraulic coupler makes work tool changes quick and easy.

Specifications

Engine

Engine Model	Cat [®] C4.4 ACERT [™]	
Gross Power		
SAE J1995	87 kW	117 hp
ISO 14396	86 kW	115 hp
Rated Net Power @ 2,200 rpm		
SAE J1349	80 kW	107 hp
ISO 9249	81 kW	109 hp
EEC 80/1269	81 kW	109 hp
Net Peak Power @ 1,800 rpm		
SAE J1349	82 kW	110 hp
ISO 9249	83 kW	111 hp
EEC 80/1269	83 kW	111 hp
Bore	105 mm	4.13 in
Stroke	127 mm	5 in
Displacement	4.4 L	268 in ³
Net Torque Rise @ 1,400 rpm	40%	
SAE J1349	487 N-m	359 lb-ft

- Engine meets U.S. EPA Tier 4 Interim/EU Stage IIIB emission standards.

Weights*

Operating Weight – Nominal	7125 kg	15,708 lb
Operating Weight – Maximum	11 000 kg	24,251 lb
Cab, ROPS/FOPS	184 kg	406 lb
AutoShift Transmission	197 kg	434 lb
Ride Control	160 kg	353 lb
Air Conditioning	55 kg	121 lb
Four Wheel Drive	54 kg	119 lb
MP Bucket (0.96 m ³ /1.25 yd ³) (no forks or teeth)	745 kg	1,642 lb
Loader, IT with Quick Coupler	197 kg	434 lb
Extendible Stick	301 kg	664 lb
Counterweights (Option 1)	115 kg	255 lb
Counterweights (Option 2)	240 kg	530 lb
Counterweights (Option 3)	460 kg	1,015 lb

*Specifications shown are for machine equipped with 1.0 m³ (1.31 yd³) general purpose loader bucket, 610 mm (24 in) heavy duty backhoe bucket, 240 kg (530 lb) counterweight, 80 kg (176 lb) operator and full fuel tank.

CAT[®]

430F/430F IT Backhoe Loader

Transmission

Power Shuttle Transmission – Standard

Forward – 1st	6 km/h	3.7 mph
2nd	9.6 km/h	5.9 mph
3rd	20 km/h	12 mph
4th	40 km/h	25 mph
Reverse – 1st	6 km/h	3.7 mph
2nd	9.6 km/h	5.9 mph
3rd	20 km/h	12 mph
4th	40 km/h	25 mph

AutoShift Transmission – Optional

Forward – 1st	5.9 km/h	3.7 mph
2nd	10 km/h	5.9 mph
3rd	20 km/h	12 mph
4th	27 km/h	17 mph
5th	42 km/h	26 mph
Reverse – 1st	5.9 km/h	3.7 mph
2nd	13 km/h	7.8 mph
3rd	27 km/h	17 mph

Axle Ratings

Front Axle, 2WD

Static	22 964 kg	50,582 lb
Dynamic	9186 kg	20,233 lb

Front Axle, 4WD

Static	22 964 kg	50,582 lb
Dynamic	9186 kg	20,233 lb

Rear Axle

Static	22 964 kg	50,582 lb
Dynamic	9186 kg	20,233 lb

Hydraulic System

Type	Closed Center	
Pump Type	Variable Flow, Axial Piston	
Pump Capacity @ 2,200 rpm	163 L/min	43 gal/min
System Pressure – Backhoe	25 000 kPa	3,600 psi
System Pressure – Loader	25 000 kPa	3,600 psi

Steering

Type	Front Wheel	
Power Steering	Hydrostatic	
Bore	65 mm	2.6 in
Stroke	120 mm	4.7 in
Rod Diameter	36 mm	1.4 in
Axle Oscillation	11°	
Turning Circle – 2WD/4WD (inner wheel not braked)		
Outside, Front Wheels	8.18 m	26'10"
Outside, Widest Loading Bucket	10.97 m	36'0"

Service Refill Capacities

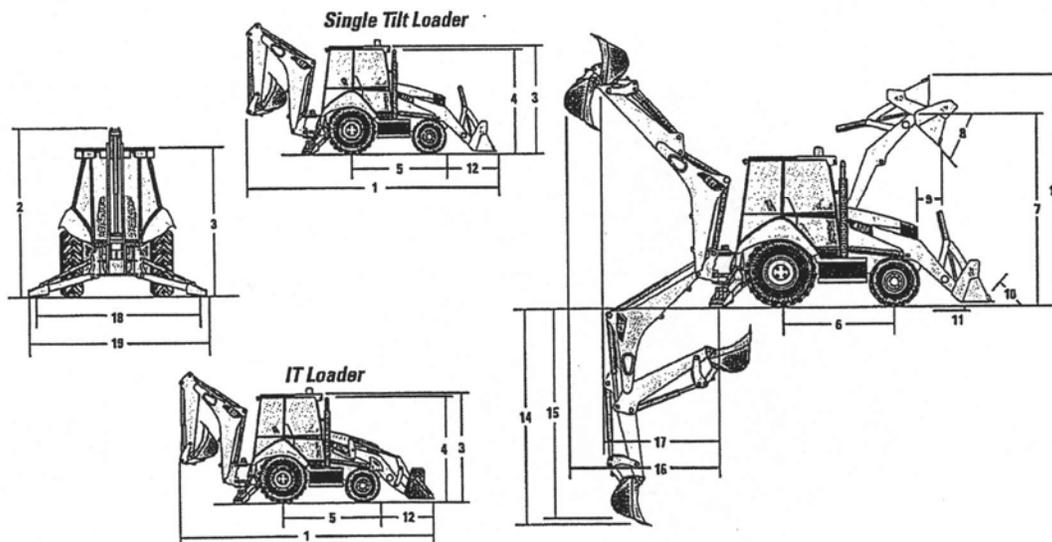
Cooling System with Air Conditioning	22 L	5.8 gal
Fuel Tank	170 L	45 gal
Engine Oil with Filter	7.6 L	2.0 gal
Transmission – Power Shuttle		
4WD	18.5 L	4.9 gal
Transmission – AutoShift		
4WD	19.0 L	5.0 gal
Rear Axle	16.5 L	4.4 gal
Planetaries	1.7 L	0.4 gal
Front Axle (4WD)	11.0 L	2.9 gal
Planetaries	0.7 L	0.2 gal
Hydraulic System	95.0 L	25.1 gal
Hydraulic Tank	42.0 L	11.1 gal

- Requires ultra-low sulfur fuel ≤ 15 ppm fuel sulfur

Tires

Choices listed as combination of front/rear tires:

- 12.5/80-18 (12 ply) 1-3/19.5L-24 (12 ply) ATU
- 12.5/80-18 NHS (12 ply) 1-3/21L-24 (16 ply) R4 ATU
- 340/80R 18/19.5L-24 (12 ply) R4 ATU
- 340/80R 18/500/70R 24 RT



430F/430F IT Backhoe Loader

Dimensions

	Single Tilt Loader				IT Loader with Quick Coupler			
	0.96 m ³ (1.25 yd ³) GP Bucket		1.00 m ³ (1.31 yd ³) MP Bucket		0.96 m ³ (1.25 yd ³) GP Bucket		1.00 m ³ (1.31 yd ³) MP Bucket	
1 Overall Length (Loader on Ground) – Standard Stick	7282 mm	23'11"	7200 mm	23'7"	7430 mm	24'5"	7338 mm	24'1"
Overall Length (Loader on Ground) – Extendible Stick	7298 mm	23'11"	7216 mm	23'8"	7446 mm	24'5"	7354 mm	24'2"
Overall Transport Length – Standard Stick	7310 mm	24'0"	7274 mm	23'10"	7423 mm	24'4"	7352 mm	24'1"
Overall Transport Length – Extendible Stick	7327 mm	24'0"	7290 mm	23'11"	7440 mm	24'5"	7369 mm	24'2"
2 Overall Transport Height – Standard Stick	3577 mm	11'9"						
Overall Transport Height – Extendible Stick	3631 mm	11'11"						
Overall Width	2322 mm	7'7"						
3 Height to Top of Cab/Canopy	2819 mm	9'3"						
4 Height to Top of Exhaust Stack	2744 mm	9'0"						
Height to Loader Hinge Pin (Transport)	381 mm	1'3"	432 mm	1'5"	396 mm	1'4"	386 mm	1'3"
Ground Clearance (minimum)	320 mm	1'1"						
5 Rear Axle Centerline to Front Grill	2705 mm	8'10"						
Front Wheel Tread Gauge	1895 mm	6'3"						
Rear Wheel Tread Gauge	1714 mm	5'7"						
6 Wheelbase 2WD/4WD	2200 mm	7'3"						

Loader Bucket Dimensions and Performance

	Single Tilt Loader				IT Loader with Quick Coupler			
	0.96 m ³ (1.25 yd ³) GP Bucket		1.00 m ³ (1.31 yd ³) MP Bucket		0.96 m ³ (1.25 yd ³) GP Bucket		1.00 m ³ (1.31 yd ³) MP Bucket	
Capacity (SAE Rated)	0.96 m ³	1.25 yd ³	1.0 m ³	1.31 yd ³	0.96 m ³	1.25 yd ³	1.0 m ³	1.31 yd ³
Overall Bucket Width	2262 mm	89 in	2279 mm	90 in	2262 mm	89 in	2279 mm	90 in
Lift Capacity at Maximum Height	3283 kg	7,237 lb	3097 kg	6,828 lb	3716 kg	8,193 lb	3448 kg	7,601 lb
Lift Breakout Force	49 809 N	11,197 lb	49 019 N	11,020 lb	51 085 N	11,484 lb	49 678 N	11,168 lb
Tilt Breakout Force	50 190 N	11,283 lb	57 555 N	12,938 lb	46 314 N	10,411 lb	50 380 N	11,325 lb
Tipping Load at Breakout Point	7228 kg	15,934 lb	7339 kg	16,179 lb	7028 kg	15,495 lb	7157 kg	15,779 lb
7 Maximum Hinge Pin Height	3474 mm	11'5"	3474 mm	11'5"	3490 mm	11'5"	3490 mm	11'5"
8 Dump Angle at Full Height	44°		44°		44°		44°	
Dump Height at Maximum Angle	2746 mm	9'0"	2798 mm	9'2"	2679 mm	8'9"	2745 mm	9'0"
9 Dump Reach at Maximum Angle	808 mm	2'8"	716 mm	2'4"	869 mm	2'10"	814 mm	2'8"
10 Maximum Bucket Rollback at Ground Level	37°		38°		40°		39°	
11 Digging Depth	83 mm	3"	110 mm	4"	105 mm	4"	95 mm	4"
Maximum Grading Angle	112°		116°		110°		112°	
Width of Dozer Cutting Edge	N/A		2262 mm	7'5"	N/A		2262 mm	7'5"
12 Grill to Bucket Cutting Edge, Carry Position	1487 mm	4'11"	1451 mm	4'9"	1600 mm	5'3"	1529 mm	5'0"
13 Maximum Operating Height	4355 mm	14'3"	4404 mm	14'5"	4407 mm	14'6"	4480 mm	14'8"
Jaw Opening Maximum	N/A		790 mm	2'7"	N/A		790 mm	2'7"
Bucket Jaw Clamping Force	N/A		55 700 N	12,521 lb	N/A		55 700 N	12,521 lb
Weight (does not include teeth or forks)	451 kg	994 lb	745 kg	1,642 lb	447 kg	985 lb	724 kg	1,596 lb

Backhoe Dimensions and Performance

	Standard Stick		E-Stick Retracted		E-Stick Extended	
14 Digging Depth, SAE (max.)	4698 mm	15'5"	4795 mm	15'9"	5935 mm	19'6"
15 Digging Depth, 610 mm (2 ft) Flat Bottom	4660 mm	15'4"	4766 mm	15'8"	5906 mm	19'5"
Reach from Rear Axle Centerline at Ground Line	7133 mm	23'6"	7227 mm	23'10"	8316 mm	27'5"
16 Reach from Swing Pivot at Ground Line	6043 mm	19'10"	6137 mm	20'2"	7226 mm	23'9"
Maximum Operating Height	6007 mm	19'9"	6075 mm	20'0"	6958 mm	22'11"
Loading Height	3961 mm	13'0"	3921 mm	12'10"	4533 mm	14'10"
17 Loading Reach	1855 mm	6'1"	2022 mm	6'8"	3003 mm	9'10"
Swing Arc	180°		180°		180°	
Bucket Rotation	205°		205°		205°	
18 Stabilizer Spread, Operating Position (center)	3310 mm	10'10"	3310 mm	10'10"	3310 mm	10'10"
Stabilizer Spread, Operating Position (outside)	3770 mm	12'4"	3770 mm	12'4"	3770 mm	12'4"
Stabilizer Spread, Transport Position	2322 mm	7'7"	2322 mm	7'7"	2322 mm	7'7"
Bucket Dig Force	71 864 N	16,156 lb	70 870 N	15,932 lb	70 870 N	15,932 lb
Stick Dig Force	44 778 N	10,067 lb	43 841 N	9,856 lb	32 414 N	7,287 lb

430F/430F IT Backhoe Loader

STANDARD EQUIPMENT

- Air cleaner
- Alarm, back-up
- Audible system fault alarm
- Automatic Engine Speed Control (AESC)
- Battery, maintenance-free, 880 CCA
- Battery disconnect switch
- Battery remote jumpstart
- Boom transport lock
- Brace, lift cylinder
- Brake, secondary parking
- Brakes, hydraulically boosted, oil disc, dual pedals, interlocking
- Bucket level indicator
- Canopy, ROPS/FOPS
- Cat cushion swing system
- Coat hook
- Coolant/antifreeze, extended life
- Counterweight, bumper
- Diesel particulate filter, long life
- Dome light (cab only)
- Diagnostic port for engine, machine and gauge cluster Electronic Control Modules
- Differential lock
- Engine, Cat C4.4 ACERT (Direct Injection Turbocharged), meets U.S. EPA Tier 4 Interim/EU Stage IIIB emission standards
- Engine enclosure
- 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
- Four Wheel Drive
- Fully hinged front grill for cooling package cleaning access
- Gauge Cluster:
 - Gauges: coolant temperature, fuel level, tachometer
 - LCD screen: hour meter, torque converter oil temperature, hydraulic oil temperature, operator settings, service mode diagnostics
- Ground level fuel fill
- Guard, fuel tank bottom
- High ambient cooling package
- Hood lock
- Hydraulic hose, XT™
- Hydraulic oil cooler
- Hydraulic valve, hydrostatic steering
- Hydraulic valves, loader 2 function
- Hydraulic valves, backhoe 5 function
- Hydraulics, load sensing with variable displacement piston pump
- Indicators: air cleaner service, water separator service, engine coolant, oil pressure, hydraulic temperature, hydraulic bypass
- Instrument panel lights
- Joystick controls: pilot operated, excavator-style with pattern changer
- Key start/stop system
- Lights, working (4 front, 4 rear)
- Loader, self-leveling, return-to-dig and transmission disconnect switch
- Loader, single tilt
- Lunch box and drink holder
- Mirror, rearview
- One-touch low idle
- Open circuit breather
- Pattern changer, in cab
- Power receptacle, 12 volt, 2 internal, 1 external
- Power steering, hydrostatic
- Radio ready cab
- Seat belt, retractable, 51 mm (2 in)
- Stabilizer shoes, street
- Steering knob
- Seat, air suspension, fabric or vinyl cover, with armrest
- Starting system, glow plugs
- Steering, hydrostatic
- Storage compartment, internal
- Stop and tail lights
- Swing transport lock
- Tilt steering wheel
- Tires
- Toolbox, external, lockable
- Torque converter
- Throttle, hand and foot, electronic
- Transmission, four speed, syncromesh
- Transmission neutralizer switch
- Transport tie-downs
- Vandalism locks
- Warning horn, electric

OPTIONAL EQUIPMENT

- Battery, additional, 880 CCA
- Cab, deluxe
- Cab, deluxe with air conditioning
- 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
- Fenders, rear extensions
- Guard, boom protection plate
- Guard, stabilizer, rock
- Guard, fuel tank front and rear
- Hydraulic valves, loader (3rd valve for GP, MP or Quick Coupler)
- Hydraulic valves, backhoe 6 function
- Hydraulic lines, combined function auxiliary
- Loader, IT with Quick Coupler and pilot loader control
- Machine Security System
- Product Link
- Quick Coupler, manual, dual lock
- Quick Coupler, pin lock
- Ride Control
- Rotating beacon, magnetic mount
- Seat belt, 75 mm (3 in)
- Stabilizer pads, reversible
- Stick, extendible
- Storage box
- Transmission, AutoShift
- 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.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

© 2012 Caterpillar
All Rights Reserved
Printed in U.S.A.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEHQ6709-01 (04-12)
Replaces AEHQ6709





8/25/14

West Jordan City
938K Wheel Loader

2014 Caterpillar 938K Wheel Loader, equipped with:
High Lift Configuration w/ Heavy Counterweight
Caterpillar Hydraulic Loader Coupler, Fusion
2.5Y Multi-Purpose Clamshell Bucket to fit Fusion Coupler
3 Year Rental utilizing State Contract MA1625
\$26,560.00 per year for 500 hours of usage per year
Hourly Overage Rate: \$49.00
Governmental Purchase Price: \$204,235.00

Option: Forks for Coupler, 54" Tines, for use with Fusion Coupler
3 Year Rental utilizing state Contract MA1625
\$2,160.00 per year
Governmental Purchase Price: \$7,250.00

Option: 144" Hydraulic Snow Plow (40" Height), for use with Fusion Coupler
3 Year Rental utilizing State Contract MA1625
\$4,250 per year
Governmental Purchase Price: \$15,190.00

Patrick Wells
Governmental Sales
Wheeler Machinery Co.



Cat[®] 938K

WHEEL LOADER

FEATURES:

- **Optimized Z-bar Linkage** – The new optimized Z-bar linkage combines the digging efficiency of a traditional Z-bar with tool carrier capabilities for great performance and versatility. With parallel lift and high tilt forces throughout the working range you can safely and confidently handle loads with precise control. High Lift versions are also available.
- **Work Tools** – A new line of optimized Performance Series Buckets, pallet and construction forks as well as a wide range of work tools are available in a Pin-On or Fusion Coupler interface.
- **Powerful Predictable Hydraulics** – The system senses demand and adjusts flow and pressure to match. Working with buckets, forks and other work tools has never been more efficient.
- **Intelligent Power Management** – A smooth, step-less electronically controlled hydrostatic transmission provides adjustable power to the ground and superb groundspeed control for fast digging cycles and the flexibility to efficiently perform a multitude of tasks.
- **Cab and Controls** – Large, spacious cab features excellent visibility to the front and rear, extremely low sound levels and low-effort ergonomic joystick controls so you can concentrate on your work. In cab adjustments are easy with intuitive controls and an easy to read optional display.
- **Serviceability** – Extended service intervals and excellent service access make daily checks quick and easy allowing you to get to work sooner.

Specifications

Engine

Engine Model	Cat [®] C6.6 ACERT	
Maximum Gross Power		
ISO 14396	129 kW	173 hp
ISO 14396 (DIN)	129 kW	175 hp
Rated Net Power @ 1,800 rpm		
SAE J1349 at Minimum Fan Speed	126 kW	169 hp
SAE J1349 at Maximum Fan Speed	116 kW	155 hp
ISO 9249/EEC 80/1269	127 kW	170 hp
ISO 9249 (DIN)	127 kW	173 hp
Maximum Gross Torque		
ISO 14396	825 N-m	608 ft-lb
Maximum Net Torque		
SAE J1349	802 N-m	591 ft-lb
ISO 9249/EEC 80/1269	811 N-m	598 ft-lb
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	6.6 L	402 in ³

- Engine meets EPA Tier 4 Interim/EU Stage IIIB emission standards.
- Net power shown is the power available at the flywheel when the engine is equipped with alternator, air cleaner and diesel exhaust filter.

Buckets

Bucket Capacities – General Purpose	2.5-3.2 m ³	3.2-4.2 yd ³
Bucket Capacities – Light Material	3.5-5.0 m ³	4.5-6.5 yd ³

Weights

Operating Weight – Standard Lift	15 928 kg	35,104 lb
Operating Weight – High Lift	16 177 kg	35,653 lb

- Specifications shown are for a machine equipped with a 2.5 m³ (3.2 yd³) general purpose Fusion bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 20.5 R25 (L-3) XHA2 tires.

Steering

Steering Articulation Angle (each direction)	40°	
Steering Cylinder, Double-Acting:		
Bore Diameter	80 mm	3.1 in
Rod Diameter	50 mm	2.0 in
Stroke	399 mm	15.7 in
Maximum Flow – Steering Pump	130 L/min	34 gal/min
Maximum Working Pressure – Steering Pump	24 130 kPa	3,500 psi
Maximum Steering Torque:		
0 degrees (straight machine)	57 630 N-m	42,506 ft-lb
40 degrees (full turn)	42 570 N-m	31,398 ft-lb
Steering Cycle Times (full left to full right):		
At 1,800 rpm: 90 rpm steering wheel speed	2.3 seconds	
Number of Steering Wheel Turns – full left to full right or full right to full left	3.3 turns	

CAT[®]

938K Wheel Loader

Loader Hydraulic System

Maximum Flow – Implement Pump	190 L/min	50 gal/min
3rd Function Maximum Flow*	190 L/min	50 gal/min
4th Function Maximum Flow	75 L/min	20 gal/min
Maximum Working Pressure – Implement Pump	28 000 kPa	4,061 psi
Relief Pressure – Tilt Cylinder	30 000 kPa	4,351 psi
3rd Function Maximum Working Pressure	28 000 kPa	4,061 psi
4th Function Maximum Working Pressure	28 000 kPa	4,061 psi
Lift Cylinder, Double-Acting:		
Bore Diameter	120 mm	4.7 in
Rod Diameter	65 mm	2.6 in
Stroke	789 mm	31.1 in
Tilt Cylinder, Double-Acting:		
Bore Diameter	150 mm	5.9 in
Rod Diameter	90 mm	3.5 in
Stroke	555 mm	21.9 in
Hydraulic Cycle Times:	At 1,800 rpm	At 1,000 rpm
Raise (ground level to maximum lift)	5.5 seconds	9.8 seconds
Dump (at maximum lift height)	1.5 seconds	2.6 seconds
Float Down (maximum lift to ground level)	2.7 seconds	2.7 seconds
Total Cycle Time	9.7 seconds	15.1 seconds

*Adjustable from 20% to 100% of maximum flow through the secondary display, when equipped.

Service Refill Capacities

Fuel Tank	195 L	51.5 gal
Cooling System	32 L	7.9 gal
Engine Crankcase	20 L	5.3 gal
Transmission (gearbox)	11 L	2.9 gal
Axles:		
Front	35 L	9.2 gal
Rear	35 L	9.2 gal
Hydraulic System (including tank)	170 L	44.9 gal
Hydraulic Tank	90 L	23.8 gal

Transmission

Forward:		
Range 1*	1-13 km/h	0.6-8 mph
Range 2	13 km/h	8 mph
Range 3	27 km/h	17 mph
Range 4	40 km/h	25 mph
Reverse:		
Range 1*	1-13 km/h	0.6-8 mph
Range 2	13 km/h	8 mph
Range 3	27 km/h	17 mph
Range 4	40 km/h	25 mph

*Creeper control allows maximum speed range adjustability from 1 km/h (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display, when equipped. Factory default is 7 km/h (4.4 mph).

Tires

Standard Size	20.5 R25, radial (L-3)
Other Choices Include:	20.5 R25, radial (L-2)
	20.5 R25, radial (L-5)
	20.5-25 12PR (L-2)
	20.5-25 12PR (L-3)
	20.5-25 16PR (L-5)
	650/65 R25 radial (L-3)
	Skidder/Agriculture
	Flexports Gen II

- Other tire choices are available. Contact your Cat dealer for details.
- In certain applications, the loader's productive capabilities may exceed the tire's tonnes-km/h (ton-mph) capabilities.
- Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.

Cab

ROPS	SAE J1040 MAY94, ISO 3471-1994
FOPS	SAE J/ISO 3449 APR98, Level II, ISO 3449 1992 Level II

- Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.
- The declared dynamic operator sound pressure levels per ISO 6396:2008**, when properly installed and maintained, are:
 - Standard cab: 68 ±3 dB(A)
 - Deluxe cab: 66 ±2 dB(A)

**The measurements were conducted with the cab doors and windows closed and at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

Operating Specifications

Tipping Load – Straight (ISO 14397-1)	11 209 kg	24,704 lb
Tipping Load – Full Turn (ISO 14397-1)	9527 kg	20,997 lb
Clearance – Full Lift and 45 Degree Dump	2834 mm	9 ft 3 in
Reach – Full Lift and 45 Degree Dump	1146 mm	3 ft 9 in
Breakout Force	13 170 kg	29,027 lb
Steering Articulation Angle (each direction)	40 degrees	

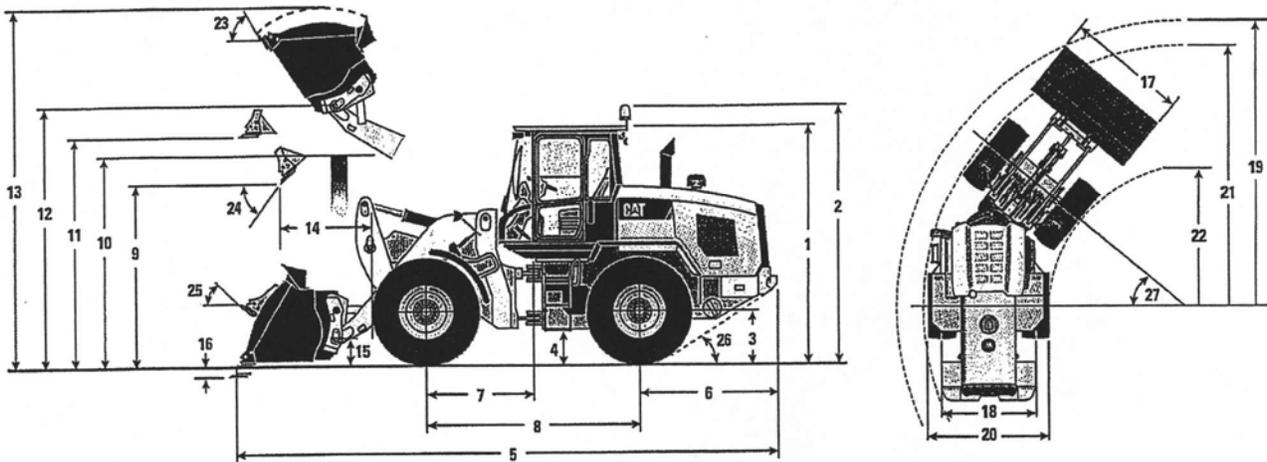
- Specifications shown are for a machine equipped with a 2.5 m³ (3.2 yd³) general purpose Fusion bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 20.5 R25 (L-3) XHA2 tires.

Axles

Front	Fixed Locking differential (standard)
Rear	Oscillating ±11 degrees Open differential (standard) Limited slip differential (optional)

938K Wheel Loader

Dimensions (All dimensions are approximate. Dimensions vary with bucket and tire choice.)



	Standard Lift		High Lift	
** 1 Height: Ground to Cab	3340 mm	(10'11")	3340 mm	(10'11")
** 2 Height: Ground to Beacon	3669 mm	(12'0")	3669 mm	(12'0")
** 3 Height: Ground Axle Center	685 mm	(2'2")	685 mm	(2'2")
** 4 Height: Ground Clearance	386 mm	(1'3")	386 mm	(1'3")
* 5 Length: Overall	7656 mm	(25'1")	8397 mm	(27'6")
6 Length: Rear Axle to Bumper	1963 mm	(6'5")	1968 mm	(6'5")
7 Length: Hitch to Front Axle	1525 mm	(5'0")	1525 mm	(5'0")
8 Length: Wheel Base	3050 mm	(10'0")	3050 mm	(10'0")
* 9 Clearance: Bucket at 45 degrees	2834 mm	(9'3")	3415 mm	(11'2")
** 10 Clearance: Loadover Height	3354 mm	(11'0")	3561 mm	(11'8")
** 11 Clearance: Level Bucket	3641 mm	(11'11")	4222 mm	(13'10")
** 12 Height: Bucket Pin	3969 mm	(13'0")	4550 mm	(14'11")
** 13 Height: Overall	5273 mm	(17'3")	5853 mm	(19'2")
* 14 Reach: Bucket at 45 degrees	1146 mm	(3'9")	1413 mm	(4'7")
15 Carry Height: Bucket Pin	467 mm	(1'6")	686 mm	(2'2")
** 16 Dig Depth	101 mm	(3.9")	135 mm	(5.3")
17 Width: Bucket	2750 mm	(9'0")	2750 mm	(9'0")
18 Width: Tread Center	2065 mm	(6'9")	2065 mm	(6'9")
19 Turning Radius: Over Bucket	6133 mm	(20'1")	6490 mm	(21'3")
20 Width: Over Tires	2675 mm	(8'9")	2675 mm	(8'9")
21 Turning Radius: Outside of Tires	5537 mm	(18'1")	5537 mm	(18'1")
22 Turning Radius: Inside of Tires	2852 mm	(9'4")	2852 mm	(9'4")
23 Rack Angle at Full Lift	54 degrees		53 degrees	
24 Dump Angle at Full Lift	49 degrees		47 degrees	
25 Rack Angle at Carry	45 degrees		50 degrees	
26 Departure Angle	33 degrees		33 degrees	
27 Articulation Angle	40 degrees		40 degrees	
Operating Weight	15 928 kg	(35,104 lb)	16 177 kg	(35,653 lb)

*Vary with bucket.

**Vary with tire.

Dimensions listed are for a machine configured with 2.5 m³ (3.2 yd³) general purpose Fusion bucket, bolt-on cutting edge, optional counterweights, additional guarding, 80 kg (176 lb) operator and Michelin 20.5 R25 (L-3) XHA2 tires.

938K Wheel Loader

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

© 2012 Caterpillar
All Rights Reserved
Printed in U.S.A.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEHQ6423-01 (05-12)
Replaces AEHQ6423





8/25/14

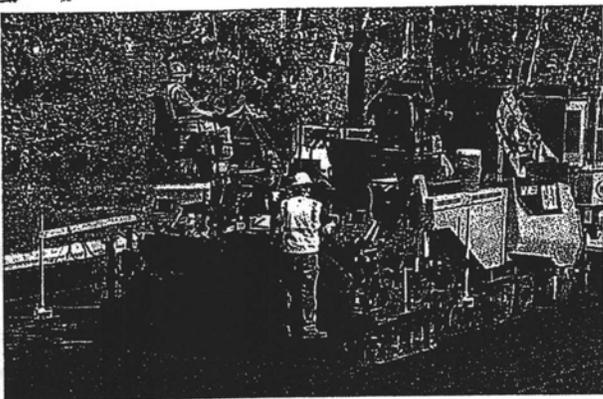
West Jordan City
AP1055F Asphalt Paver

2014/15 Caterpillar AP1055E/F Asphalt Paving Machine
3 Year Rental utilizing State Contract MA1625
\$57,500.00 per year for 400 Hours of usage per year.
Governmental Purchase Price: \$398,063.00

*When West Jordan City purchase AP1055D s/n FAC00783 in 2010 there were three year and five year buybacks proposed. The city chose to go with a 3 year buyback of \$224,366.00, however the City did not exercise this buyback and still owns the machine. Wheeler Machinery will honor the five year buyback of \$149,366.00 if the City decides to go with this annual rental. We are anticipating an order of new AP1055F pavers to arrive in Spring 2015. At this time we would exercise the 5 year buyback and deliver a new machine with an annual rental of \$57,500.00 using State Contract MA1625.

Larry Brown
Paving Sales Representative
Wheeler Machinery Co.

Patrick Wells
Governmental Sales Representative
Wheeler Machinery Co.



Cat® AP1055F PAVER

FEATURES:

HIGH RETURN ON INVESTMENT

- Higher resale value: long-life components, and latest engine emissions technology
- Exclusive 70 kW integrated generator, designed for long life by the same team that developed the D7E electric drive dozer
- Fast heating screed leads to more daily production, heating time in as little as 15 minutes
- Mobil-trac™ undercarriage limits tow-point movement for excellent paving results
- Exclusive air flow design improves operating conditions for the crew and keeps components cooler for lasting durability

ADVANCED TECHNOLOGY

- Exclusive screed heating system monitors elements for failure conditions, eliminates unnecessary replacement
- Cat® Grade and Slope option integrated in the tractor and screed displays for optimized operator efficiency
- Propel and feeder system settings transfer between stations with a single switch; Cat exclusive
- Auto-fill feeder system simplifies setup
- Single touch feeder system activation optimizes efficiency
- Automated travel feature; augers and hydraulic mainframe extensions raise with the screed, preventing damage during transport
- Product Link™ remotely monitors machine location, daily hours of operation, fuel consumption, fault codes, and preventative maintenance status, for optimal machine support

HIGH QUALITY RESULTS, HIGHER EARNINGS

- SE60 XW screeds deliver excellent ride, density, and mat texture while providing superior adjustment capabilities up to 10 m (33')
- SE60 V screed delivers great ride and mat qualities while providing versatility in urban areas as well as interstate applications
- Tow-point utilizes exclusive linkage design for optimal screed flotation
- Exclusive 2-speed proportional control on the screed extenders

LOW OWNING AND OPERATING COSTS

- Exclusive Eco-mode and Automatic Engine Speed Control reduce fuel consumption and lower sound levels for better comfort and communication
- 4-pump feeder system is designed for high production in Eco-mode, leads to lower fuel consumption
- Keypad switches have been tested to 1-million cycles without failure
- Conveyor bed plates and chain guards designed to minimize labor requirements and provide lower cost replacement
- Heating elements slide-out for easy replacement
- Machined screed frames simplify screed plate replacement

UNMATCHED AFTER-THE-SALE SUPPORT

- Strategically located dealers with 24/7 support
- In-the-Iron service training for technicians
- Paver Operator Training helps maximize machine performance
- Project consulting helps improve technique and job site management

Specifications:

Engine – Powertrain

Cat C7.1 ACERT™ Engine			
Australia, U.S., and Canada*	168 kW	225 hp	
* Engine meets U.S. EPA Tier 4 Final/E.U. Stage IV emission standards.			
Cat C7.1 Engine			
China, Middle-East, Russia, South America**	186 kW	249 hp	
** Engine meets emissions equivalent to U.S. EPA Tier 3 and E.U. Stage IIIA requirements.			
Number of cylinders	6		
Engine speed - maximum/minimum	2200/1100 rpm		
Eco-mode	1650 rpm		
Screed heating - standard width (Quiet)	1300 rpm		
Screed heating - w/extensions (Quick)	1300 to 2200 rpm		
Speed ranges:			
Paving	64 fpm	210 fpm	
With Tamper-bar screed	64 fpm	210 fpm	
Travel	14.5 km/hr	9 mph	

Weights - Australia, U.S. and Canada

AP1055F (tractor only - shipping)	16 620 kg	36,642 lb
AP1055F (tractor only - operating)	16 963 kg	37,398 lb
AP1055F with SE60 V screed	20 390 kg	44,954 lb
AP1055F with SE60 V XW screed	20 964 kg	46,218 lb
AP1055F with SE60 VT XW screed	21 723 kg	47,892 lb

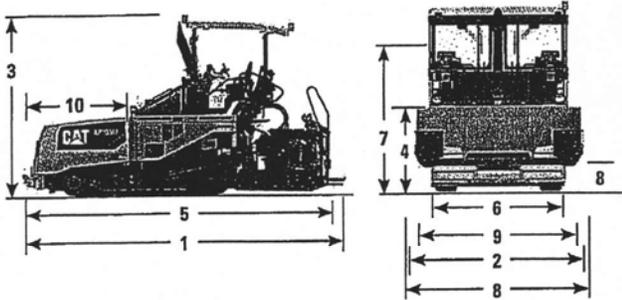
Weights - China, Middle-East, Russia, South America

AP1055F (tractor only - shipping)	16 716 kg	36,852 lb
AP1055F (tractor only - operating)	17 355 kg	38,261 lb
AP1055F with SE60 V screed	20 618 kg	45,455 lb
AP1055F with SE60 V XW screed	21 056 kg	46,428 lb
AP1055F with SE60 VT XW screed	21 815 kg	48,102 lb

Operating weights include full fuel tank and 75 kg (165 lb) operator.



AP1055F Specifications



Dimensions:

1	Operating length with screed	7034 mm	23' 1"
	Operating length without screed	5609 mm	18' 5"
2	Operating width – standard entry hopper	3336 mm	10' 11"
	Operating width – low entry hopper	3604 mm	11' 10"
3	Operating height with canopy, (top of beacon)	3996 mm	13' 1"
	Operating height without canopy	3715 mm	12' 2"
4	Operating deck height	1791 mm	5' 11"
5	Transport length - endgates/walkway folded	6874 mm	22' 7"
	Transport width - with endgates	3211 mm	10' 6"
	Transport width - endgates folded	2929 mm	9' 7"
7	Transport height - canopy retracted	3056 mm	10'
	Transport height - without canopy	2929 mm	10' 5"
8	Truck entry height with standard entry hopper		
	Manual apron	570 mm	22"
	Hydraulic apron	616 mm	24"
Truck entry height with low entry hopper			
	Manual apron	529 mm	21"
	Hydraulic apron	587 mm	23"
9	Truck entry width - standard entry hopper	3224 mm	10' 7"
	Truck entry width - low entry hopper	3490 mm	11' 6"
10	Hopper length with pushroller - minimum	2329 mm	7' 8"

Screed Specifications

Standard paving range	3.0 - 5.95 m	10' - 19' 6"
Maximum paving width*	10.15 m	33' 4"
Maximum paving depth	305 mm	12"
Crown range	-1.5% to 5%	
Extender height range	-20 mm to + 50 mm	
Extender slope range	-3% to +10%	

* Includes extensions and hydraulic end-gate shoes.

Electrical System

Starting and Charging	24-volt
Alternator	100 amp
Batteries	Two, 1400 CCA
Generator	70 kW
Auxiliary power capability	6.6 kW
Machine Security System	Wire-ready
Product Link System	Wire-ready
Remote jump-start	Yes
Cat Grade and Slope	Integrated

Capacities

Maximum throughput capacity	1602 tonnes/h	1,766 tph
Hopper capacity with tunnels		
Standard entry hopper	7.6 m ³	267 ft ³
Low entry hopper	8.1 m ³	286 ft ³
Fuel tank	348 L	92 gal
DEF (Urea) capacity	19.1 L	5 gal
Cooling system	45.4 L	12 gal
Engine oil	16 L	4.2 gal
Hydraulic tank	219 L	58 gal

Optional Equipment

- Air-ride Seat w/Heat
- Auger and Mainframe Extensions
- Ballast (front bumper)
- Cat Grade and Slope Controls
- Decelerator Pedals
- Ecological Washdown System
- Feeder Sensor (mechanical or sonic)
- Friction Steering
- Hard Top Canopy
- HID Lights
- Leveling Devices
- Lights (Working or Roding)
- Smooth/treadbar belt
- Oscillating Push Roller
- Power Folding Front Apron
- Power Mainframe Extensions
- Product Link
- Screed Extensions
- Tow-point Indicators (Upper)
- Track Plow
- Truck Hitch
- Umbrella
- Up-time Kit
- Warning Beacon
- Wide Width Paving Packages
- Windshield w/hard top canopy

Materials and specifications are subject to change without notice.
 Featured machines in photos may include additional equipment.
 For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

©2014 Caterpillar, Inc.
 All Rights Reserved.

CAT, CATERPILLAR, ACERT, SAFETY, CAT.COM, their respective logos, "Caterpillar Yellow" and the "PowerEdge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

Product ID: AP1055F

QEHO1817-01 (07-2014)





8/25/14

West Jordan City

320E L Hydraulic Excavator

2014 Caterpillar 320E L Hydraulic Excavator equipped with Hydraulic Coupler and 42" Bucket

3 Year Rental utilizing State Contract MA1625

\$23,400.00 per year for 500 Hours usage per year.

Hourly Overage Rate: \$46.80

Governmental Purchase Price: \$189,655.00

Option: 36" Compaction Wheel

3 Year Rental utilizing State Contract MA1625

\$2,600.00 per year

Governmental Purchase Price: \$8,450.00

Option: Additional 24" Bucket

3 Year Rental utilizing State Contract MA1625

\$2,000.00 per year

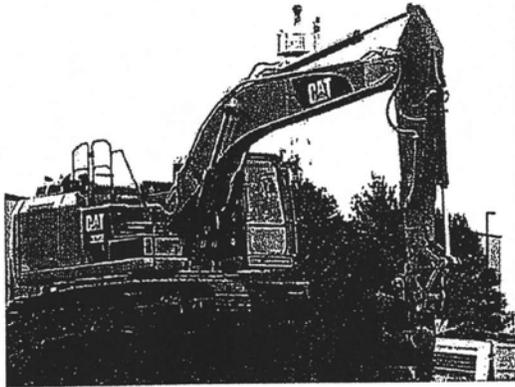
Governmental Purchase Price: \$6,560.00

We are expecting our next shipment of 320E excavators to arrive in late October 2014

Patrick Wells

Governmental Sales

Wheeler Machinery Co.



Cat[®] 320E L

HYDRAULIC EXCAVATOR

Specifications

Engine

Engine Model	Cat [®] C6.6 ACERT [™]	
Net Power – SAE J1349	114 kW	153 hp
Gross Power – SAE J1995	122 kW	164 hp
Bore	105 mm	4.1 in
Stroke	127 mm	5.0 in
Displacement	6.6 L	403 in ³

Weights

Minimum Operating Weight*	21 500 kg	47,400 lb
Maximum Operating Weight**	24 730 kg	54,450 lb

*HD 5.7 m (18'8") boom, HD 3.9 m (12'10") stick, 3.55 mt (3.9 ton) counterweight, 1.19 m² (1.56 yd²), 600 mm (24") shoes.

**HD 5.7 m (18'8") boom, ES 2.9 m (9'6") stick, 5.4 mt (5.9 ton) counterweight (heavy counterweight configuration), 1.19 m² (1.56 yd²), 790 mm (31") shoes.

Hydraulic System

Main System – Maximum Flow (Total)	428 L/min	113.1 gal/min
Maximum Pressure – Equipment		
Heavy Lift	38 000 kPa	5,511 psi
Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	25 000 kPa	3,626 psi
Pilot System – Maximum Flow	24.3 L/min	6.4 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi
Boom Cylinder – Bore	120 mm	4.7 in
Boom Cylinder – Stroke	1260 mm	49.6 in
Stick Cylinder – Bore	140 mm	5.5 in
Stick Cylinder – Stroke	1504 mm	59.2 in
B1 Bucket Cylinder – Bore	120 mm	4.7 in
B1 Bucket Cylinder – Stroke	1104 mm	43.5 in

Drive

Maximum Travel Speed	5.6 km/h	3.5 mph
Maximum Drawbar Pull	205 kN	46,086 lbf

Swing Mechanism

Swing Speed	11.2 rpm	
Swing Torque	61.8 kN-m	45,581 lb-ft

Service Refill Capacities

Fuel Tank Capacity	410 L	108.3 gal
Cooling System	30 L	7.9 gal
Engine Oil (with filter)	23 L	6.1 gal
Swing Drive	8 L	2.1 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	260 L	68.7 gal
Hydraulic Tank	143 L	37.8 gal

Track

Number of Shoes (each side)	
Long Undercarriage	49 pieces
Number of Track Rollers (each side)	
Long Undercarriage	8 pieces
Number of Carrier Rollers (each side)	
Long Undercarriage	2 pieces

Sound Performance

Operator Noise (Closed) – ISO 6396	71 dB(A)
Spectator Noise – ISO 6395	103 dB(A)

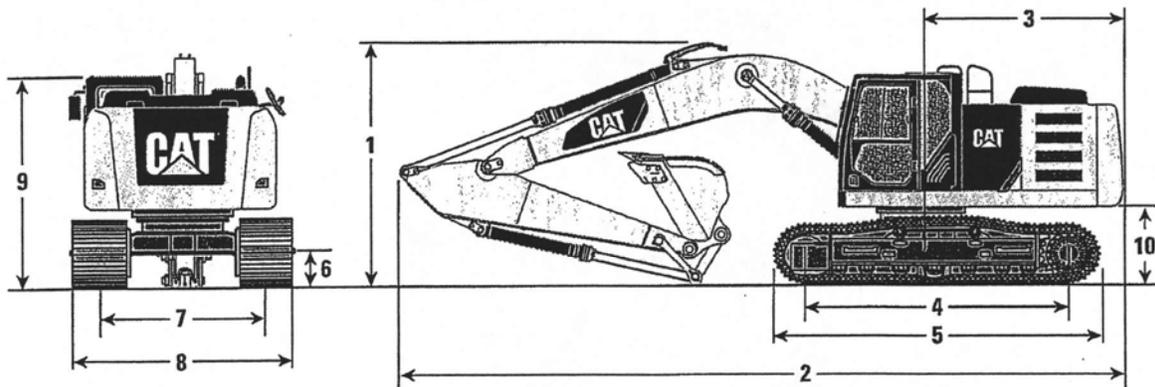
- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.

Standards

Brakes	ISO 10265 2008
Cab/FOGS	ISO 10262 1998
Cab/ROPS	ISO 12117-2 2008



320E L Hydraulic Excavator



Dimensions (All dimensions are approximate.)

Stick	Heavy Duty and Extreme Service Booms 5.7 m (18'8")		Super Long Reach Boom 8.85 m (29'0")
	3.9B1 (12'10")*	2.9B1 (9'6")**	Super Long Reach 6.28 m (20'6")***
	mm (ft)	mm (ft)	mm (ft)
1 Shipping Height†	3740 (12'3")	3130 (10'4")	3180 (10'4")
Shipping Height with Guard Rail	3240 (10'8")	3240 (10'8")	3240 (10'8")
Shipping Height with Top Guard	3150 (10'3")	3150 (10'3")	3150 (10'3")
2 Shipping Length	9340 (30'8")	9540 (31'4")	12 750 (41'10")
3 Tail Swing Radius	2830 (9'3")	2830 (9'3")	2830 (9'3")
4 Length to Center of Rollers	3650 (12'0")	3650 (12'0")	3650 (12'0")
5 Track Length	4460 (14'6")	4460 (14'6")	4460 (14'6")
6 Ground Clearance	450 (1'6")	450 (1'6")	450 (1'6")
7 Track Gauge	2380 (7'10")	2380 (7'10")	2380 (7'10")
8 Transport Width			
600 mm (24") Shoes	2980 (9'9")	2980 (9'9")	2980 (9'9")
790 mm (31") Shoes	3170 (10'5")	3170 (10'5")	3170 (10'5")
9 Cab Height	2960 (9'9")	2960 (9'9")	2960 (9'9")
Cab Height with Top Guard	3150 (10'3")	3150 (10'3")	3150 (10'3")
10 Counterweight Clearance††	1020 (3'4")	1020 (3'4")	1020 (3'4")

*Cat 900 mm (36"), 0.81 m³ (1.06 yd³) GD bucket with 1557 mm (5'1") tip radius.

**Cat 1200 mm (48"), 1.19 m³ (1.56 yd³) HD bucket with 1571 mm (5'2") tip radius.

***Cat 1100 mm (44"), 0.61 m³ (0.8 yd³) ditch cleaning bucket with 1092 mm (3'7") tip radius.

†Including shoe lug height without guard rail.

††Without shoe lug height.

320E L Hydraulic Excavator

STANDARD EQUIPMENT

ENGINE

- C6.6 diesel engine
- Biodiesel capable
- EPA Tier 4 Interim
- 2300 m (7,500 ft) altitude capability
- Electric priming pump
- Automatic engine speed control
- Economy, standard and high power modes
- Two-speed travel
- Side-by-side cooling system (tilt-up ATAAC, swing-out A/C condenser)
- Radial seal air filter
- Primary filter with water separator and water separator indicator switch
- Starting kit, cold weather, -18° C (0° F)
- Screen fuel filter in fuel lines
- Primary fuel filter
- Secondary fuel filter
- Quick drains, engine and hydraulic oil (QuickEvac)

HYDRAULIC SYSTEM

- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Capability of installing HP stackable valve and medium and QC valve
- Capability of installing additional auxiliary pump and circuit
- Capability of installing boom lowering control device and stick lowering check valve
- Capability of installing Cat Bio hydraulic oil
- Fine swing control

CAB

- Pressurized operator station with positive filtration
- Mirror package
- Sliding upper door window (left-hand cab door)
- Glass-breaking safety hammer
- Removable lower windshield with in cab storage bracket
- Coat hook
- Beverage holder
- Literature holder
- AM/FM radio
- Radio with MP3 auxiliary audio port
- Two 12V stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with warning, filter/fluid change, and working hour information
- Adjustable armrest
- Height adjustable joystick consoles
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Capability of installing two additional pedals
- Two power outlets, 10 amp (total)
- Laminated glass front upper window and tempered other windows

UNDERCARRIAGE

- Grease Lubricated Track GLT2, resin seal
- Towing eye on base frame

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Capability to electrically connect a beacon

LIGHTS

- Boom light with time delay
- Exterior lights integrated into storage box

SECURITY

- Cat one key security system
- Door locks
- Cap locks on fuel and hydraulic tanks
- Lockable external tool/storage box
- Signaling/warning horn
- Secondary engine shutoff switch
- Openable skylight for emergency exit
- Rearview camera
- Travel alarm

TECHNOLOGY

- Product Link

320E L Hydraulic Excavator

OPTIONAL EQUIPMENT

ENGINE

- Starting kit, cold weather, -32° C (-26° F)
- Jump start receptacle
- Radiator screen
- Block heater (jacket water heater)

HYDRAULIC SYSTEM

- Control pattern quick-changer, two way
- Additional circuit
- Boom and stick lines
- High-pressure line
- Medium-pressure line
- Cat quick coupler line – high-pressure capable
- Electronic Control device, 1/2P, one-way circuit
- Electronic Control device (Common), 1/2P, common circuit
- Electronic Control device, 1P, two-way circuit
- Boom lowering and stick lowering control device

CAB

- Cab hatch emergency exit
- Seat, high-back air suspension with heater
- Seat, high-back mechanical suspension
- Sunscreen
- Windshield wiper, upper and lower with washer
- Air pre-filter
- Left foot switch
- Left pedal
- Straight travel pedal

UNDERCARRIAGE

- 600 mm (24") triple grouser shoes
- 790 mm (31") triple grouser shoes
- Guard, full length for long FG undercarriage
- Guard, heavy-duty bottom
- Center track guiding guard
- Segmented (2 piece) track guiding guard
- HD track roller

COUNTERWEIGHT

- 3.55 mt (3.9 t) with lifting eye
- 4.6 mt (5.1 t) with lifting eye
- 5.4 mt (5.9 t) with lifting eye

FRONT LINKAGE

- Quick coupler
- Bucket linkage, B1 family with lifting eye
- 5.7 m (18'8") heavy duty and extreme service booms
- 8.85 m (29'0") SLR boom
- 2.9 m (9'6") stick
- 3.9 m (12'10") stick
- 6.28 m (20'6") SLR stick

LIGHTS

- Working lights, cab mounted with time delay
- HID lights, cab mounted with time delay
- Halogen boom lights

SECURITY

- FOGS, bolt-on
- Side rubber bumper
- Guard, vandalism
- Cat MSS (anti-theft device)

TECHNOLOGY

- Cat Grade Control Depth and Slope

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

© 2013 Caterpillar Inc.
All Rights Reserved
Printed in U.S.A.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY, CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEHQ6637-01 (06-13)
Replaces AEHQ6637
(Americas)





8/25/14

West Jordan City

420F Backhoe for Cemetery/Parks

2014 Caterpillar 420F Backhoe Loader, equipped with Multi Purpose Clamshell Bucket, Manual Backhoe Coupler, 24" and 36" Backhoe Buckets

3 Year Rental utilizing State Contract MA1625

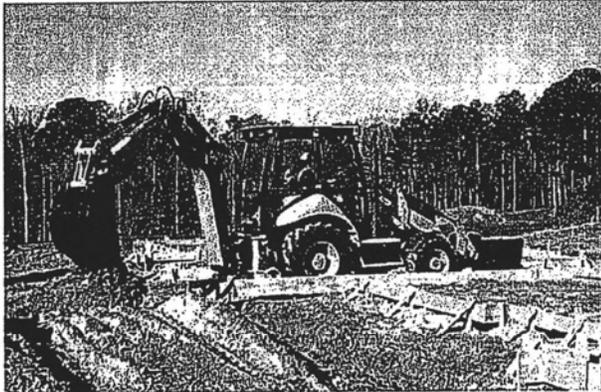
\$8,750.00 per year for 500 Hours of usage per year

Hourly Overage Rate: \$17.50

Governmental Purchase Price: \$100,605.00

Larry Brown
Paving Sales Representative
Wheeler Machinery Co.

Patrick Wells
Governmental Sales Representative
Wheeler Machinery Co.



Cat[®] 420F/420F IT

BACKHOE LOADER

FEATURES:

- **Operator Station** – Air suspension seat and ergonomic joystick controls provide a comfortable working environment.
- **Load Sensing Hydraulics** – Electronic pump control provides better pump response for improved hoe and loader productivity, performance and power management.
- **Superior Power** – New larger torque converter delivers greater pushing power, increased aggressiveness in hard bank and faster roading and hill climbing.
- **Loader Performance** – New front loader arms deliver more reach, dump height and breakout.
- **Backhoe Design** – New beefier swing casting and double clevis design improves durability and reliability.
- **Versatility** – A wide array of Cat[®] Work Tools lets you do more jobs with one machine. A hydraulic thumb is also available. The hydraulic coupler makes work tool changes quick and easy.

Specifications

Engine

Engine Model	Cat [®] C4.4 ACERT [™]	
Gross Power		
SAE J1995	76 kW	102 hp
ISO 14396	74 kW	100 hp
Rated Net Power @ 2,200 rpm		
SAE J1349	69 kW	93 hp
ISO 9249/EEC 80/1269	70 kW	94 hp
Net Peak Power @ 1,800 rpm		
SAE J1349	71 kW	95 hp
ISO 9249	72 kW	97 hp
EEC 80/1269	72 kW	97 hp
Bore	105 mm	4.13 in
Stroke	127 mm	5 in
Displacement	4.4 L	268 in ³
Net Torque Rise @ 1,400 rpm	46%	
SAE J1349	438 N-m	323 lb-ft

- Engine meets U.S. EPA Tier 4 Interim/EU Stage IIIB emission standards.

Weights*

Operating Weight – Nominal	6895 kg	15,201 lb
Operating Weight – Maximum	11 000 kg	24,251 lb
Cab, ROPS/FOPS	184 kg	406 lb
AutoShift Transmission	54 kg	119 lb
Ride Control	14 kg	31 lb
Air Conditioning	55 kg	121 lb
Four Wheel Drive	160 kg	353 lb
MP Bucket (1.0 m ³ /1.31 yd ³) (no forks or teeth)	745 kg	1,642 lb
Loader, IT with Quick Coupler	197 kg	434 lb
Extendible Stick	272 kg	599 lb
Counterweights (Option 1)	115 kg	255 lb
Counterweights (Option 2)	240 kg	530 lb
Counterweights (Option 3)	460 kg	1,015 lb

*Specifications shown are for machine equipped with 0.96 m³ (1.25 yd³) general purpose loader bucket, 610 mm (24 in) heavy duty backhoe bucket, 115 kg (255 lb) counterweight, 80 kg (176 lb) operator and full fuel tank.

CAT[®]

420F/420F IT Backhoe Loader

Transmission

Power Shuttle Transmission – Standard

Forward – 1st	6 km/h	3.7 mph
2nd	9.6 km/h	5.9 mph
3rd	20 km/h	12 mph
4th	40 km/h	25 mph
Reverse – 1st	6 km/h	3.7 mph
2nd	9.6 km/h	5.9 mph
3rd	20 km/h	12 mph
4th	40 km/h	25 mph

AutoShift Transmission – Optional

Forward – 1st	5.9 km/h	3.7 mph
2nd	9.5 km/h	5.9 mph
3rd	20 km/h	12 mph
4th	27 km/h	17 mph
5th	41 km/h	25 mph
Reverse – 1st	5.9 km/h	3.7 mph
2nd	13 km/h	7.8 mph
3rd	27 km/h	17 mph

Axle Ratings

Front Axle, 2WD

Static	22 964 kg	50,582 lb
Dynamic	9186 kg	20,233 lb

Front Axle, 4WD

Static	22 964 kg	50,582 lb
Dynamic	9186 kg	20,233 lb

Rear Axle

Static	22 964 kg	50,582 lb
Dynamic	9186 kg	20,233 lb

Hydraulic System

Type	Closed Center	
Pump Type	Variable Flow, Axial Piston	
Pump Capacity @ 2,200 rpm	163 L/min	43 gal/min
System Pressure – Backhoe	25 000 kPa	3,600 psi
System Pressure – Loader	25 000 kPa	3,600 psi

Steering

Type	Front Wheel	
Power Steering	Hydrostatic	
Bore	85 mm	2.6 in
Stroke	120 mm	4.7 in
Rod Diameter	36 mm	1.4 in
Axle Oscillation	11°	
Turning Circle – 2WD/4WD (inner wheel not braked)		
Outside, Front Wheels	8.18 m	26'10"
Outside, Widest Loading Bucket	10.97 m	36'0"

Service Refill Capacities

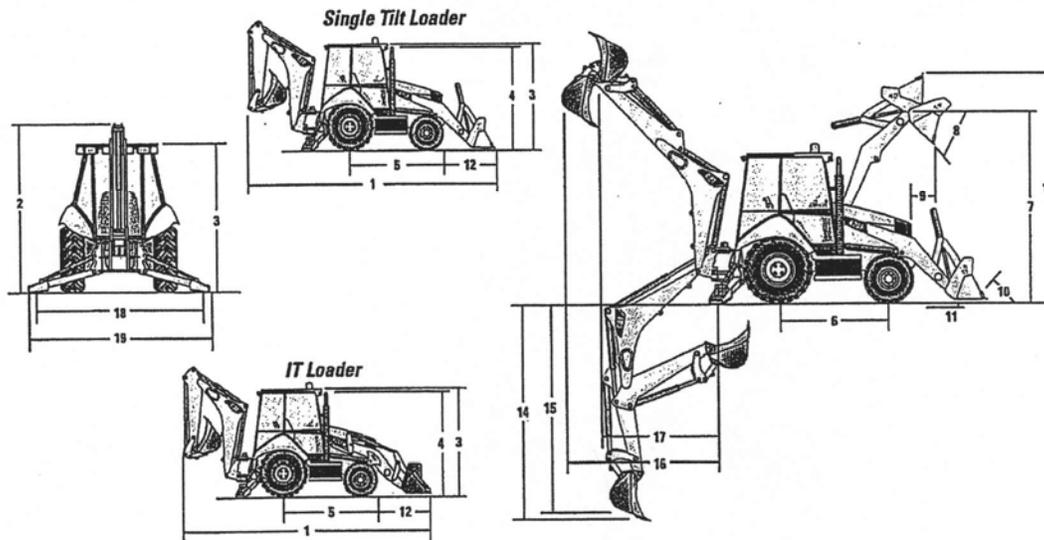
Cooling System with Air Conditioning	22 L	5.8 gal
Fuel Tank	170 L	45 gal
Engine Oil with Filter	7.6 L	2.0 gal
Transmission – Power Shuttle		
2WD	18.5 L	4.9 gal
4WD	18.5 L	4.9 gal
Transmission – AutoShift		
4WD	19.0 L	5.0 gal
Rear Axle	16.5 L	4.4 gal
Planetaries	1.7 L	0.4 gal
Front Axle (4WD)	11.0 L	2.9 gal
Planetaries	0.7 L	0.2 gal
Hydraulic System	95.0 L	25.1 gal
Hydraulic Tank	42.0 L	11.1 gal

- Requires ultra-low sulfur fuel \leq 15 ppm fuel sulfur

Tires

Choices listed as combination of front/rear tires:

- 11L-16 (12 ply) F-3/19.5L-24 (12 ply) R4 ATU
- 12.5/80-18 (12 ply) 1-3/19.5L-24 (12 ply) ATU
- 12.5/80-18 NHS (12 ply) 1-3/21L-24 (16 ply) R4 ATU
- 340/80R 18/19.5L-24 (12 ply) R4 ATU
- 340/80R 18/500/70R 24 RT



420F/420F IT Backhoe Loader

Dimensions

	Single Tilt Loader				IT Loader with Quick Coupler			
	0.96 m ³ (1.25 yd ³) GP Bucket		1.00 m ³ (1.31 yd ³) MP Bucket		0.96 m ³ (1.25 yd ³) GP Bucket		1.00 m ³ (1.31 yd ³) MP Bucket	
1 Overall Length (Loader on Ground) – Standard Stick	7141 mm	23'5"	7059 mm	23'2"	7289 mm	23'11"	7197 mm	23'7"
Overall Length (Loader on Ground) – Extendible Stick	7147 mm	23'5"	7064 mm	23'2"	7295 mm	23'11"	7203 mm	23'8"
Overall Transport Length – Standard Stick	7169 mm	23'6"	7133 mm	23'5"	7282 mm	23'11"	7211 mm	23'8"
Overall Transport Length – Extendible Stick	7175 mm	23'6"	7139 mm	23'5"	7288 mm	23'11"	7217 mm	23'8"
2 Overall Transport Height – Standard Stick	3577 mm	11'9"						
Overall Transport Height – Extendible Stick	3631 mm	11'11"						
Overall Width	2322 mm	7'7"						
3 Height to Top of Cab/Canopy	2819 mm	9'3"						
4 Height to Top of Exhaust Stack	2744 mm	9'0"						
Height to Loader Hinge Pin (Transport)	381 mm	1'3"	432 mm	1'5"	396 mm	1'4"	386 mm	1'3"
Ground Clearance (minimum)	320 mm	1'1"						
5 Rear Axle Centerline to Front Grill	2705 mm	8'10"						
Front Wheel Tread Gauge	1895 mm	6'3"						
Rear Wheel Tread Gauge	1714 mm	5'7"						
6 Wheelbase 2WD/4WD	2200 mm	7'3"						

Loader Bucket Dimensions and Performance

	Single Tilt Loader				IT Loader with Quick Coupler			
	0.96 m ³ (1.25 yd ³) GP Bucket		1.00 m ³ (1.31 yd ³) MP Bucket		0.96 m ³ (1.25 yd ³) GP Bucket		1.00 m ³ (1.31 yd ³) MP Bucket	
Capacity (SAE Rated)	0.96 m ³	1.25 yd ³	1.00 m ³	1.31 yd ³	0.96 m ³	1.25 yd ³	1.00 m ³	1.31 yd ³
Overall Bucket Width	2262 mm	89 in	2279 mm	90 in	2262 mm	89 in	2279 mm	90 in
Lift Capacity at Maximum Height	3283 kg	7,237 lb	3097 kg	6,828 lb	3716 kg	8,193 lb	3448 kg	7,601 lb
Lift Breakout Force	49 809 N	11,197 lb	49 019 N	11,020 lb	51 085 N	11,484 lb	49 678 N	11,168 lb
Tilt Breakout Force	50 190 N	11,283 lb	57 555 N	12,938 lb	46 314 N	10,411 lb	50 380 N	11,325 lb
Tipping Load at Breakout Point	6751 kg	14,882 lb	6839 kg	15,078 lb	6692 kg	14,754 lb	6805 kg	15,004 lb
7 Maximum Hinge Pin Height	3474 mm	11'5"	3474 mm	11'5"	3490 mm	11'5"	3490 mm	11'5"
8 Dump Angle at Full Height	44°		44°		44°		44°	
Dump Height at Maximum Angle	2746 mm	9'0"	2798 mm	9'2"	2679 mm	8'9"	2745 mm	9'0"
9 Dump Reach at Maximum Angle	808 mm	2'8"	716 mm	2'4"	869 mm	2'10"	814 mm	2'8"
10 Maximum Bucket Rollback at Ground Level	37°		38°		40°		39°	
11 Digging Depth	83 mm	3"	110 mm	4"	105 mm	4"	95 mm	4"
Maximum Grading Angle	112°		116°		110°		112°	
Width of Dozer Cutting Edge	N/A		2262 mm	7'5"	N/A		2262 mm	7'5"
12 Grill to Bucket Cutting Edge, Carry Position	1487 mm	4'11"	1451 mm	4'9"	1600 mm	5'3"	1529 mm	5'0"
13 Maximum Operating Height	4355 mm	14'3"	4404 mm	14'5"	4407 mm	14'6"	4480 mm	14'8"
Jaw Opening Maximum	N/A		790 mm	2'7"	N/A		790 mm	2'7"
Bucket Jaw Clamping Force	N/A		55 700 N	12,521 lb	N/A		55 700 N	12,521 lb
Weight (does not include teeth or forks)	451 kg	994 lb	745 kg	1,642 lb	447 kg	985 lb	724 kg	1,596 lb

Backhoe Dimensions and Performance

	Standard Stick		E-Stick Retracted		E-Stick Extended	
	14 Digging Depth, SAE (max.)	4360 mm	14'4"	4390 mm	14'5"	5442 mm
15 Digging Depth, 610 mm (2 ft) Flat Bottom	4311 mm	14'2"	4351 mm	14'4"	5405 mm	17'9"
Reach from Rear Axle Centerline at Ground Line	6702 mm	22'1"	6737 mm	22'2"	7742 mm	25'6"
16 Reach from Swing Pivot at Ground Line	5612 mm	18'5"	5647 mm	18'7"	6652 mm	21'10"
Maximum Operating Height	5522 mm	18'1"	5546 mm	18'3"	6282 mm	20'8"
Loading Height	3642 mm	11'11"	3599 mm	11'10"	4169 mm	13'8"
17 Loading Reach	1842 mm	6'1"	1929 mm	6'4"	2844 mm	9'4"
Swing Arc	180°		180°		180°	
Bucket Rotation	205°		205°		205°	
18 Stabilizer Spread, Operating Position (center)	3310 mm	10'10"	3310 mm	10'10"	3310 mm	10'10"
Stabilizer Spread, Operating Position (outside)	3770 mm	12'4"	3770 mm	12'4"	3770 mm	12'4"
Stabilizer Spread, Transport Position	2322 mm	7'7"	2322 mm	7'7"	2322 mm	7'7"
Bucket Dig Force	62 659 N	14,086 lb	61 780 N	13,889 lb	61 780 N	13,889 lb
Stick Dig Force	43 510 N	9,781 lb	43 402 N	9,757 lb	31 682 N	7,122 lb

420F/420F IT Backhoe Loader

STANDARD EQUIPMENT

- Air cleaner
- Alarm, back-up
- Audible system fault alarm
- Automatic Engine Speed Control (AESC)
- Battery, maintenance-free, 880 CCA
- Battery disconnect switch
- Battery remote jumpstart
- Boom transport lock
- Brace, lift cylinder
- Brake, secondary parking
- Brakes, hydraulically boosted, oil disc, dual pedals, interlocking
- Bucket level indicator
- Canopy, ROPS/FOPS
- Cat cushion swing system
- Coat hook
- Coolant/antifreeze, extended life
- Counterweight, bumper
- Diesel particulate filter, long life
- Dome light (cab only)
- Diagnostic port for engine, machine and gauge cluster Electronic Control Modules
- Differential lock
- Engine, Cat C4.4 ACERT (Direct Injection Turbocharged), meets U.S. EPA Tier 4 Interim/EU Stage IIIB emission standards
- Engine enclosure
- 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
- Fully hinged front grill for cooling package cleaning access
- Gauge Cluster:
 - Gauges: coolant temperature, fuel level, tachometer
 - LCD screen: hour meter, torque converter oil temperature, hydraulic oil temperature, operator settings, service mode diagnostics
- Ground level fuel fill
- Guard, fuel tank bottom
- High ambient cooling package
- Hood lock
- Hydraulic hose, XT™
- Hydraulic oil cooler
- Hydraulic oil level sight gauge
- Hydraulic valve, hydrostatic steering
- Hydraulic valves, loader 2 function
- Hydraulic valves, backhoe 5 function
- Hydraulics, load sensing with variable displacement piston pump
- Indicators: air cleaner service, water separator service, engine coolant, oil pressure, hydraulic temperature, hydraulic bypass
- Instrument panel lights
- Joystick controls: pilot operated, excavator-style with pattern changer
- Key start/stop system
- Lights, working (4 front, 4 rear)
- Loader, self-leveling, return-to-dig and transmission disconnect switch
- Loader, single tilt
- Lunch box and drink holder
- Mirror, rearview
- One-touch low idle
- Open circuit breather
- Pattern changer, in cab
- Power receptacle, 12 volt, 2 internal, 1 external
- Power steering, hydrostatic
- Radio ready cab
- Seat belt, retractable, 51 mm (2 in)
- Stabilizer shoes, street
- Steering knob
- Seat, air suspension, fabric or vinyl cover, with armrest
- Starting system, glow plugs
- Steering, hydrostatic
- Storage compartment, internal
- Stop and tail lights
- Swing transport lock
- Tilt steering wheel
- Tires
- Toolbox, external, lockable
- Torque converter
- Throttle, hand and foot, electronic
- Transmission, four speed, synchromesh
- Transmission neutralizer switch
- Transport tie-downs
- Two Wheel Drive
- Vandalism locks
- Warning horn, electric

OPTIONAL EQUIPMENT

- Battery, additional, 880 CCA
- Cab, deluxe
- Cab, deluxe with air conditioning
- 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
- Fenders, rear extensions
- Four Wheel Drive
- Guard, boom protection plate
- Guard, stabilizer, rock
- Guard, fuel tank front and rear
- Hydraulic valves, loader (3rd valve for GP, MP or Quick Coupler)
- Hydraulic valves, backhoe 6 function
- Hydraulic lines, combined function auxiliary
- Loader, IT with Quick Coupler and pilot loader control
- Machine Security System
- Product Link
- Quick Coupler, manual, dual lock
- Quick Coupler, pin lock
- Ride Control
- Rotating beacon, magnetic mount
- Seat belt, 75 mm (3 in)
- Stabilizer pads, reversible
- Stick, extendible
- Storage box
- Transmission, AutoShift
- 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.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

© 2012 Caterpillar
All Rights Reserved
Printed in U.S.A.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEHQ6683-01 (04-12)
Replaces AEHQ6683



Wheeler



RENTAL AGREEMENT

4901 West 2100 South
Salt Lake City, UT 84120 (801) 974-0511

SOLD TO

SHIP TO

WEST JORDAN PUBLIC WORKS
8030 SOUTH 4000 WEST
WEST JORDAN UT

84088

WEST JORDAN, UTAH
WASTEWATER DIVISION
WEST JORDAN PUBLIC WORKS
8030 SOUTH 4000 WEST

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.	CUSTOMER ORDER NUMBER	STORE	DIV	SALESMAN	TERMS	PAGE
	7/19/14	096206	102603	01	G	512	2	1
AGREEMENT NO.	DOC. DATE	PC	LC	MC	SHIP VIA		INV. SEQ. NO.	
C35707	3/23/09			10	CASEY 101			
MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING		MACH. ID. NO.	
AA	450E	0EBL00156			1,156.0		LKE00821	

DATA 1 INFORMATION

CUSTOMER CONTACT: JOE MORGAN

PHONE: 801 330-4237

NEW 2007 450E BACKHOE LOADER; 3-YEAR LEASE AT \$9500 P/YEAR; OVERTIME RATE OF \$15 P/HR OVER 750 HOURS P/YEAR.
WMC WILL SUPPLY ONE SET OF CUTTING EDGES AND BUCKET TEETH, UNDER NORMAL OPERATING CONDITIONS P/YEAR.

WMC WILL SPLIT 50/50 THE COST OF ONE (1) SET OF REPLACEMENT TIRES, UNDER NORMAL OPERATING CONDITIONS.

CUSTOMER RESPONSIBILITIES:

- *GREASE MACHINE EVERY 10 HOURS OF OPERATION
 - *MONITOR/MAINTAIN PROPER FLUID LEVELS
 - *CALL WMC EVERY 250 OPERATIONAL HOURS, OR 6 MONTHS, TO SCHEDULE SERVICING
 - *ABNORMAL TIRE WEAR, FLATS & DAMAGE
 - *MACHINE DAMAGE
 - *LIABILITY, THEFT, & DAMAGE INSURANCE
 - *ALL WEAR ITEMS (TIRES, CUTTING EDGES, BUCKET TEETH, ETC.) MUST BE 50% OR BETTER UPON RETURN
 - *MACHINE TO BE FULLY FUELED UPON RETURN.
- ONE MONTH RENTAL
CSA INCLUDED JDH

Lessee is responsible for the maintenance of this equipment including service meter while in his possession; any damage to this equipment resulting from improper care or maintenance will be charged directly to lessee.

Standard usage is 8 hours per day, 40 hours per week, or 176 hours per month. Overtime usage is determined by the service meter hour readings. The contract shall extend beyond the term, at the same terms, if the lessee holds the machine over the specified term of the lease.

TIRE CHARGE

In addition to the rental charges, lessee agrees to pay a charge, payable at the end of the lease term, for all wear or damage to rubber tires used on the equipment. Upon return of the equipment the rubber tires will be appraised by the lessor as to their then condition and lessee agrees to pay for any exhaustion through tread wear, cuts, cord separation, or any deterioration whatsoever during the use by lessee. Any new rubber installed by lessee will be taken into account in computing usage on the foregoing basis.

X _____

LESSEE - CUSTOMER SIGNATURE

UNDERCARRIAGE

Undercarriage wear will be based on a service life of 4,000 hours. Undercarriage components include tracks; rails, shoes, rollers, idlers, and sprockets. Charges for accelerated wear will be assessed upon return of the equipment and lessee agrees to pay for any excessive wear.

LESSOR - WHEELER MACHINERY CO.

CUSTOMER

Wheeler



RENTAL AGREEMENT

4901 West 2100 South
Salt Lake City, UT 84120 (801) 974-0511

SOLD TO

SHIP TO

WEST JORDAN PUBLIC WORKS
8030 SOUTH 4000 WEST
WEST JORDAN UT

84088

WEST JORDAN, UTAH
WASTEWATER DIVISION
WEST JORDAN PUBLIC WORKS
8030 SOUTH 4000 WEST

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.	CUSTOMER ORDER NUMBER	STORE	DIV	SALESMAN	TERMS	PAGE
	7/19/14	096206	102603	01	G	512	2	2
AGREEMENT NO.	DOC DATE	PG	LC	HC	SHIP VIA	INV SEQ NO.		
C36707	3/23/09			10	CASEY T01			
MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING	MACH ID NO.		
					0			

RENTAL INFORMATION

2/15/13 CHANGED CONTRACT TO A MONTHLY BILLING OF \$792.00 P/MONTH UNTIL THE NEXT YEARLY RENTAL CAN BE APPROVED. USEAGE WILL BE 62 HOURS P/MONTH OR 750 P/YEAR ALL OTHER CONTRACT TERMS TO REMAIN THE SAME PER AGREEMENT WITH LEESEE AND LESSOR. LT

ITEM	QUANTITY
IDNO: LKE00821	1.0
MODEL: 450E	
SERIAL NUMBER: 0EBL00156	
PIN: *CAT0450ECEBL00156*	
DESC: BACKHOE LOADER 450	
TIME OUT: 09:19	DATE OUT: 3/20/09
METER OUT: 1,156.0	SHIP VIA: CASEY T01
OPTION PRICE: 125,000	FOB POINT: WMC
	EXPECTED RETURN DATE: 12/19/14

WHEELER STANDARD RENTAL CONDITIONS TO APPLY

Lessee is responsible for the maintenance of this equipment including service meter while in his possession; any damage to this equipment resulting from improper care or maintenance will be charged directly to lessee.

Standard usage is 8 hours per day, 40 hours per week, or 176 hours per month. Overtime usage is determined by the service meter hour readings. The contract shall extend beyond the term at the same terms if the lessee holds the machine over the specified term of the lease.

TIRE CHARGE

In addition to the rental charges, lessee agrees to pay a charge, payable at the end of the lease term, for all wear or damage to rubber tires used on the equipment. Upon return of the equipment the rubber tires will be appraised by the lessor as to their then condition and lessee agrees to pay for any exhaustion through tread wear, cuts, cord separation, or any deterioration whatsoever during the use by lessee. Any new rubber installed by lessee will be taken into account in computing usage on the foregoing basis.

Lessee hereby leases the equipment described above from lessor and agrees to the rental terms and conditions on the reverse side.

UNDERCARRIAGE

Undercarriage wear will be based on a service life of 4,000 hours. Undercarriage components include tracks, rails, shoes, rollers, idlers, and sprockets. Charges for accelerated wear will be assessed upon return of the equipment and lessee agrees to pay for any excessive wear.

X

LESSEE - CUSTOMER SIGNATURE

LESSOR - WHEELER MACHINERY CO.

CUSTOMER

Wheeler



RENTAL AGREEMENT

4901 West 2100 South
Salt Lake City, UT 84120 (801) 974-0511

SOLD TO

SHIP TO

WEST JORDAN PUBLIC WORKS
8030 SOUTH 4000 WEST
WEST JORDAN UT

84088

WEST JORDAN, UT
WEST JORDAN CITY
8030 SOUTH 4000 WEST

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.	CUSTOMER ORDER NUMBER	STORE	DIV	SALESMAN	TERMS	PAGE
	7/18/14	096206	NEED PO#	01	G	512	2	1
AGREEMENT NO.	DOC DATE	PC	LO	MG	SHIP VIA		INV SEQ NO.	
048421	11/23/13			10	TYX/ROLLING THUNDER			
MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING		MACH ID NO.	
AA	430E EMPCF	OSWC00285			1,157.0		LKE01176	

ADDITIONAL INFORMATION

CUSTOMER CONTACT: TOOD MANSFIELD

PHONE: 801 875 2867

USED 430E EMPCF BACKHOE LOADER
 LEASE PERIOD 11/20/13 THRU 11/19/14
 ONE YEAR RENTAL AT \$10,500 P/YEAR; OVERTIME
 RATE OF \$17.50 P/HOUR OVER 750 HOURS P/YEAR.
 OR MONTHLY RENTAL AT \$875.00 P/MONTH 62HRS P/MONTH
 ATTACHED: LKE00256B BUCKET-24" DF802003760
 LKE01176A BUCKET-MP 10101658
 *WHEELER MACHINERY WILL SUPPLY ONE SET OF CUTTING
 EDGES AND BUCKET TEETH, UNDER NORMAL OPERATING
 CONDITIONS P/YEAR.
 **CUSTOMER RESPONSIBILITIES:
 -GREASE MACHINE EVERY TEN HOURS OF OPERATION.
 *CALL WMC EVERY 250 OPERATIONAL HOURS, OR 6 MONTHS
 TO SCHEDULE SERVICING
 *ABNORMAL TIRE WEAR, FLATS & DAMAGE
 *MACHINE DAMAGE
 *LIABILITY, THEFT, & DAMAGE INSURANCE
 *ALL WEAR ITEMS (TIRES, CUTTING EDGES, BUCKET
 TEETH, ETC.) MUST BE 50% OR BETTER UPON RETURN
 *MACHINE TO BE FULLY FUELED UPON RETURN.
 CSA INCLUDED LT

Lessee is responsible for the maintenance of this equipment including service meter while in his possession; any damage to this equipment resulting from improper care or maintenance will be charged directly to lessee.

Standard usage is 8 hours per day, 40 hours per week, or 176 hours per month. Overtime usage is determined by the service meter hour readings. The contract shall extend beyond the term at the same terms if the lessee holds the machine over the specified term of the lease.

TIRE CHARGE
 In addition to the rental charges, lessee agrees to pay a charge, payable at the end of the lease term, for all wear or damage to rubber tires used on the equipment. Upon return of the equipment the rubber tires will be appraised by the lessor as to their then condition and lessee agrees to pay for any exhaustion through tread wear, cuts, cord separation, or any deterioration whatsoever during the use by lessee. Any new rubber installed by lessee will be taken into account in computing usage on the foregoing basis.

UNDERCARRIAGE
 Undercarriage wear will be based on a service life of 4,000 hours. Undercarriage components include tracks, rails, shoes, rollers, idlers, and sprockets. Charges for accelerated wear will be assessed upon return of the equipment and lessee agrees to pay for any excessive wear.

Lessee hereby leases the equipment described above from lessor and agrees to the rental terms and conditions on the reverse side.

X _____
LESSEE - CUSTOMER SIGNATURE

LESSOR - WHEELER MACHINERY CO.

CUSTOMER

Wheeler



RENTAL AGREEMENT

4901 West 2100 South
Salt Lake City, UT 84120 (801) 974-0511

SOLD TO

SHIP TO

WEST JORDAN PUBLIC WORKS
8030 SOUTH 4000 WEST
WEST JORDAN UT

84088

WEST JORDAN, UT
WEST JORDAN CITY
8030 SOUTH 4000 WEST

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.	CUSTOMER ORDER NUMBER	STORE	DIV	SALESMAN	TERMS	PAGE
	7/18/14	096206	NEED PO#	01	G	512	2	2
AGREEMENT NO.	DOC DATE	PC	LO	MC	SHIP VIA		INV / SEQ NO.	
C48421	11/23/13			10	TXX/ROLLING THUNDER			
MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING		MACH ID NO.	
					.0			

RENTAL INFORMATION

ITEM IDNO: LKE01176 MODEL: 430E EMPCF QUANTITY 1.0
 SERIAL NUMBER: 0SWC00286
 PIN: *CAT0430EVSWC00286*
 DESC: BACKHOE LOADER 430
 TIME OUT: 08:28 DATE OUT: 11/18/13 EXPECTED RETURN DATE: 11/19/14
 METER OUT: 1,157.0 SHIP VIA: TXX/ROLLING THUNDER
 OPTION PRICE: 103,500 FOB POINT: SLC, UT

WHEELER STANDARD RENTAL CONDITIONS TO APPLY

Lessee is responsible for the maintenance of this equipment including service meter while in his possession; any damage to this equipment resulting from improper care or maintenance will be charged directly to lessee.

Standard usage is 8 hours per day, 40 hours per week, or 176 hours per month. Overtime usage is determined by the service meter hour readings. The contract shall extend beyond the term, at the same terms, if the lessee holds the machine over the specified term of the lease.

TIRE CHARGE

In addition to the rental charges, lessee agrees to pay a charge, payable at the end of the lease term, for all wear or damage to rubber tires used on the equipment. Upon return of the equipment the rubber tires will be appraised by the lessor as to their then condition and lessee agrees to pay for any exhaustion through tread wear, cuts, cord separation, or any deterioration whatsoever during the use by lessee. Any new rubber installed by lessee will be taken into account in computing usage on the foregoing basis.

Lessee hereby leases the equipment described above from lessor and agrees to the rental terms and conditions on the reverse side.

UNDERCARRIAGE

Undercarriage wear will be based on a service life of 4,000 hours. Undercarriage components include tracks, rails, shoes, rollers, idlers, and sprockets. Charges for accelerated wear will be assessed upon return of the equipment and lessee agrees to pay for any excessive wear.

X _____
LESSEE - CUSTOMER SIGNATURE

LESSOR - WHEELER MACHINERY CO.

CUSTOMER

Wheeler



RENTAL AGREEMENT

4901 West 2100 South
Salt Lake City, UT 84120 (801) 974-0511

SOLD TO

SHIP TO

WEST JORDAN PUBLIC WORKS
8030 SOUTH 4000 WEST
WEST JORDAN UT

84088

WATER DIVISION
8030 S 4000 W
WEST JORDAN UTAH

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.	CUSTOMER ORDER NUMBER	STORE	DIV.	SALESMAN	TERMS	PAGE
	7/19/14	096206	091901	01	C	512	2	1
AGREEMENT NO.	DOC. DATE	PC	LC	MC	SHIP VIA		INV. SEQ. NO.	
C49575	12/19/08			10	WMC/KRIS			
MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING		MACH. ID. NO.	
AA	430E E MP	ORLN00285			1,283.0		1K1E00790	

RENTAL INFORMATION

CUSTOMER CONTACT: MICHAEL HALL

PHONE: 801-569-5750

NEW 2008 430E BACKHOE LOADER: ONE YEAR LEASE AT \$10,250 P/YEAR; OVERTIME RATE OF \$15 P/HOUR OVER 750 HOURS P/YEAR. WMC WILL SUPPLY ONE SET OF CUTTING EDGES AND BUCKET TEETH, UNDER NORMAL OPERATING CONDITIONS P/YEAR.

CUSTOMER RESPONSIBILITIES:

- *GREASE MACHINE EVERY 10 HOURS OF OPERATION
- *MONITOR/MAINTAIN PROPER FLUID LEVELS
- *CALL WMC EVERY 250 OPERATIONAL HOURS, OR 6 MONTHS TO SCHEDULE SERVICING
- *ABNORMAL TIRE WEAR, FLATS & DAMAGE
- *MACHINE DAMAGE
- *LIABILITY, THEFT, & DAMAGE INSURANCE
- *ALL WEAR ITEMS (TIRES, CUTTING EDGES, BUCKET TEETH, ETC.) MUST BE 50% OR BETTER UPON RETURN
- *MACHINE TO BE FULLY FUELED UPON RETURN.

ONE MONTH RENTAL

2/15/13 CHANGED CONTRACT TO A MONTHLY BILLING OF \$855.00 P/MONTH UNTIL THE NEXT YEARLY RENTAL CAN BE APPROVED. USEAGE WILL BE 62 HOURS P/MONTH OR 750 P/YEAR ALL OTHER CONTRACT TERMS TO REMAIN

Lessee is responsible for the maintenance of this equipment including service motor while in his possession; any damage to this equipment resulting from improper care or maintenance will be charged directly to lessee.

Standard usage is 8 hours per day, 40 hours per week, or 176 hours per month. Overtime usage is determined by the service meter hour readings. The contract shall extend beyond the term, at the same terms, if the lessee holds the machine over the specified term of the lease.

TIRE CHARGE

In addition to the rental charges, lessee agrees to pay a charge, payable at the end of the lease term, for all wear or damage to rubber tires used on the equipment. Upon return of the equipment the rubber tires will be appraised by the lessor as to their then condition and lessee agrees to pay for any exhaustion through tread wear, cuts, cord separation, or any deterioration whatsoever during the use by lessee. Any new rubber installed by lessee will be taken into account in computing usage on the foregoing basis.

Lessee hereby leases the equipment described above from lessor and agrees to the rental terms and conditions on the reverse side.

UNDERCARRIAGE

Undercarriage wear will be based on a service life of 4,000 hours. Undercarriage components include tracks, rolls, shoes, rollers, idlers, and sprockets. Charges for accelerated wear will be assessed upon return of the equipment and lessee agrees to pay for any excessive wear.

X _____ LESSEE - CUSTOMER SIGNATURE

LESSOR - WHEELER MACHINERY CO.

CUSTOMER

Wheeler

CAT



RENTAL AGREEMENT

4901 West 2100 South
Salt Lake City, UT 84120 (801) 974-0511

SOLD TO

SHIP TO

WEST JORDAN PUBLIC WORKS
8030 SOUTH 4000 WEST
WEST JORDAN UT

84088

WATER DIVISION
8030 S 4000 W
WEST JORDAN UTAH

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.	CUSTOMER ORDER NUMBER	STORE	DIV	SALESMAN	TERMS	PAGE
	7/19/14	096206	091901	01	G	512	2	2
AGREEMENT NO.	DOC. DATE	PC	LC	MC	SHIP VIA		INV. SEQ. NO.	
C49575	12/19/08			10	WMC/KRIS			
MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING		MACH. ID. NO.	
					0			

RENTAL INFORMATION

THE SAME PER AGREEMENT WITH LEESEE AND LESSOR. LT
CONTRACT C36424 WAS CLOSED BY MISTAKE. YARDMAN
RECEIVED WRONG MACHINE IN AND THIS WAS CLOSED

ITEM	QUANTITY
IDNO: LKE00790	1.0
MODEL: 430E E MP	
SERIAL NUMBER: ORLN00285	
PIN: *CAT0430EJRLN00285*	
DESC: BACKHOE LOADER 430	
TIME OUT: 12:34	DATE OUT: 12/19/08
METER OUT: 1,233.0	EXPECTED RETURN DATE: 12/19/14
OPTION PRICE: 98,587	SHIP VIA: WMC/KRIS
	FOB POINT: SLC, UT

Lessee is responsible for the maintenance of this equipment including service meter while in his possession; any damage to this equipment resulting from improper care or maintenance will be charged directly to lessee.

Standard usage is 8 hours per day, 40 hours per week, or 176 hours per month. Overtime usage is determined by the service meter hour readings. The contract shall extend beyond the term, at the same terms, if the lessee holds the machine over the specified term of the lease.

TIRE CHARGE

In addition to the rental charges, lessee agrees to pay a charge, payable at the end of the lease term, for all wear or damage to rubber tires used on the equipment. Upon return of the equipment the rubber tires will be appraised by the lessor as to their then condition and lessee agrees to pay for any exhaustion through tread wear, cuts, cord separation, or any deterioration whatsoever during the use by lessee. Any new rubber installed by lessee will be taken into account in computing usage on the foregoing basis.

Lessee hereby leases the equipment described above from lessor and agrees to the rental terms and conditions on the reverse side.

UNDERCARRIAGE

Undercarriage wear will be based on a service life of 4,000 hours. Undercarriage components include tracks, rails, shoes, rollers, idlers, and sprockets. Charges for accelerated wear will be assessed upon return of the equipment and lessee agrees to pay for any excessive wear.

X _____
LESSEE - CUSTOMER SIGNATURE

LESSOR - WHEELER MACHINERY CO.

CUSTOMER

1. **Equipment Conditions; Damages:** Unless notified by Lessee in writing to the contrary within forty-eight (48) hours after receipt, the Equipment shall be conclusively presumed to be in good order and repair when shipped by Lessor and when received by Lessee. Upon timely and proper notice Lessor shall, at its expense, put the Equipment in good order and repair or provide substitute Equipment of the same or similar kind. Lessor shall not be responsible for any expenses contracted by Lessee or any repairs done to the Equipment without Lessor's prior written consent. Failure to so timely notify Lessor will constitute unconditional acceptance of the Equipment and Lessee shall thereafter maintain all the Equipment in good working condition throughout the term of this lease. Except as provided hereinbefore, LESSOR MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO THE CONDITION OF THE EQUIPMENT NOR AS TO VISIBLE OR HIDDEN DEFECTS IN MATERIAL, WORKMANSHIP OR CAPACITY OF THE EQUIPMENT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR JOB. In no event shall Lessor be liable to Lessee for any injury, delays or damages, consequential or otherwise, resulting from or by reason of, the use or condition of said Equipment, or by reason of any failures or delays in making delivery to Lessee, or for any loss or damage to the Equipment in transit, or from strikes or other contingencies beyond its control, or from any cause whatsoever.

2. **Repairs:** Lessor agrees to provide at its own expense, labor and materials for major mechanical repairs required on the Equipment arising from normal use under the terms of this lease. Lessor shall have the sole right to determine what are major repairs under this provision of the lease and what repairs arise from other than normal use. Cylinder head breakage is the sole responsibility of the Lessee. All labor and materials for normal operating repairs and maintenance including, but not limited to, all expendable items such as cables, end bits, cutting edges, antifreeze, belts, filters, O rings, hoses, repairs to the electrical system, and minor adjustments to the Equipment shall be the responsibility of the Lessee. Lessor will inspect the Equipment upon its return by Lessee and invoice Lessee for any damage or abnormal wear. Lessee will pay for all fuel and oil used during the term of this lease and will MAINTAIN PROPER OIL AND COOLANT LEVELS AT ALL TIMES. Any repair required because of abuse, negligence or abnormal use including, but not limited to speeding, lack of lubrication, or maintenance of necessary fluid levels, damage resulting from lack of normal services, collision, overturning or improper operation shall be at Lessee's sole expense.

3. **Maintenance, Full Value:** The Lessee agrees to take good care of the Equipment, to keep the same free and clear of all liens, claims and encumbrances of any kind whatsoever, and to keep the same in good order and repair at its own expense and cost, except for major mechanical repairs as described above. If as of the end of the guaranteed rental period and any extension thereof the Equipment should be lost, destroyed, or rendered unfit for service, or not returned, the Lessee shall thereupon be obligated to pay Lessor the full value thereof, together with interest thereon at the rate of twenty-four percent (24%) per annum from that date until the said sum is paid, less a reasonable and fair credit as determined by Lessor for the lease payments theretofore made. The Lessee shall not make any changes or modifications in any of the Equipment without written permission of Lessor.

4. **Inspection Charges; Removal:** The Lessee agrees to pay all charges for any work or inspection required by any labor union. The Lessor may, at its option, refuse to do any repair work on the Equipment in the event of strikes or for any other cause beyond its control or if such work would be a violation of a federal, state or local statute, ordinance, or regulation. The Lessor reserves the right to remove the Equipment from any job or location where it may be found if in its opinion the Equipment is likely to be damaged or immobilized for a significant period, such as in the case of strikes, flood, storms, and other such conditions. The Lessor is likewise entitled to remove the Equipment from any job or location when it is deemed necessary for the purpose of repair or inspection.

5. **Insurance:** During the term of this agreement and all subsequent such agreements, Lessee shall provide and maintain General Liability, Automobile Liability (for licensed vehicles), Worker Compensation and Physical Damage Insurance, for the amounts and limits stated below. Lessee's General and/or Automobile liability policies shall be endorsed or amended to name Wheeler Machinery Co. as Additional Insured and state that Lessee's liability is primary and not contributory in any way to insurance coverage maintained by Wheeler Machinery Co. Said coverage shall be certified to Wheeler Machinery Co. and insured company in a form acceptable to Wheeler Machinery Co.

All Customers are required to have general liability insurance and physical damage insurance as outlined below:

On-Highway Construction Equipment (Licensed for use on public highways)

1. Business auto liability insurance: \$1,000,000 per occurrence
 - Statutory Worker Compensation Insurance
2. Auto physical damage insurance: Full value of the vehicle.
 - Specify on-highway vehicle rented or leased from Wheeler Machinery Co.
 - Include coverage for hired and non-owned autos
 - Name Wheeler Machinery Co. as an additional insured with primary coverage and loss payee
 - Wheeler Machinery's Physical Damage Waiver is not available for trucks licensed for use on public highways.

Off-Highway Construction Equipment

1. Commercial general liability insurance: \$1,000,000 per occurrence, \$2,000,000 aggregate.
 - Statutory Workers Compensation Insurance
2. Physical damage insurance:
 - Full value of equipment covering:
 - Rented or leased equipment using a contractors equipment floater form or comparable form
 - Name Wheeler Machinery Co. as loss payee
 - The physical damage insurance requirement shall not apply if customer participates in and pays for Wheeler Machinery's Physical Damage Waiver.

6. **Indemnification:** Lessee shall indemnify and hold Lessor harmless from any and all claims, actions, proceedings, expenses, damages, costs and liabilities arising in connection with the Equipment including, without limitation, its selection, purchase, manufacture, delivery, possession, use, operation or return and from any injury to property or to life caused in any way by the Equipment during the lease term or any extensions thereof.

7. **Transportation Charges; Rental Period:** The Lessee agrees to pay all transportation charges on the Equipment from the point of shipment to the point of operation and return therefrom or to such place as Lessor shall designate, it being understood, however, that Lessee shall be put to no greater expense for the return of the Equipment than if the Equipment were returned to Lessor's place of business in Salt Lake City, Utah. The rental period shall begin at the time when the Equipment is loaded at the shipping point for shipment to Lessee and shall cease when the Equipment is received at Lessor's place of business, or authorized alternative site.

8. **Taxes:** In the event that any sales, use or other personal property tax or assessment is hereafter levied by any public authority upon the transaction herein specified, or on the property which is the subject of this transaction, or any part thereof, then the Lessee agrees to pay any such taxes or assessments upon demand and, upon the request of Lessor, submit written proof of having done so.

9. **Location:** The Equipment shall not be used in violation of any federal, state or municipal statute, order or regulation. Lessor shall have the right to inspect the Equipment at any reasonable time. Lessee shall inform Lessor in writing prior to moving the unit to any location other than that indicated on the face of the document.

10. **Return:** Lessee agrees and guarantees that upon the termination of this lease it will promptly return the Equipment to Lessor in as good condition as when received and, if otherwise, to pay the expense of putting it in such condition, less ordinary wear incident to normal use in the hands of a competent operator. This guarantee is absolute and may not be excused by theft, vandalism, fire, weather, act of God, or for any other reason whatsoever. Lessee shall be liable to Lessor for any loss of Equipment or parts, or damage to or breakage of the same during the lease term, or extension thereof.

11. **Rental Schedule; Standard Conditions:** Lessee acknowledges receipt of Lessor's current Rental Schedule and Standard Conditions which is incorporated herein by reference and made a part of this lease. In the event of a conflict or inconsistency between the terms of this lease and the terms of the Rental Schedule, the terms of this lease shall apply.

12. **Time Of Essence:** Time is the essence of this lease. Acceptance by Lessor of any late payment shall not be construed as a waiver of Lessor's right to have each subsequent payment made on the due date thereof. Similarly, the failure of Lessor to timely notify Lessee of any breach of the terms hereof shall not constitute a waiver by Lessor, of such provisions as to any subsequent breach of the same, or of any other provision hereof. All amounts due under the terms of this lease shall be due on the date of receipt of the invoice or such later date as may be specified on the invoice. Accounts not paid in full prior to the last day of the month when due will incur interest at the highest lawful rate.

13. **Default, Attorney's Fees; Lien:** Lessee agrees that, in the event it shall fail in the payment of rental when due or shall fail to perform any of its obligations hereunder, or bankruptcy, receivership, assignment for benefit of creditors or other insolvency proceedings are commenced by or against Lessee, Lessee shall be in default of this lease and Lessee shall, without notice, immediately be indebted to and hereby agrees to pay Lessor forthwith, all sums due hereunder. In the event this lease is placed by Lessor in the hands of an attorney after default for enforcement or collection, Lessee will pay all costs and expenses therefor, including a reasonable attorney's fee. In the event Lessor elects to file a notice of lien with respect to the Equipment or its use, either with or without the default of Lessee, Lessee will pay all costs and expenses therefor.

14. **Repossession:** If at any time Lessor, in its sole discretion, determines that its rights to the Equipment are endangered, or that the Equipment is being used improperly or beyond its capacity, or in any manner improperly cared for or abused, or if there shall be any default by Lessee in the payment of any installment of the rental called for hereunder at the time herein provided or in the terms and conditions of this lease, Lessor may REPOSSESS the Equipment, lock or remove the same from the job site and, at its option, terminate this lease. Repossession alone shall not be construed to be an acceptance of surrender of this lease, and neither termination nor repossession shall deprive Lessor of the right to recover unpaid rentals and damages for Lessee's breach of this lease.

15. **Venue:** This lease is made to be performed in, and any liability hereunder arises at, and all sums due hereunder shall be paid to Lessor's office at Salt Lake City, Utah. Venue of any action under this lease brought in the State of Utah shall be in Salt Lake County unless Lessor otherwise elects.

16. **Offsets:** No waivers, counterclaims, or offsets of any kind or nature shall be set up or urged against Lessor unless the same shall be in writing signed by the Lessor.

17. **Assignment:** Lessee shall not assign, transfer, pledge, mortgage, hypothecate, hire out or otherwise dispose of this lease, the Equipment or any interest therein or sublet or lien the Equipment, surrender or part with its possession, custody or control, or permit it to be used by anyone other than Lessee or Lessee's employees.

18. **Renewal:** So long as Lessee is not in default it may renew this Lease from month to month after the guaranteed term by giving at least five (5) days written notice thereof to the Lessor prior to the expiration of the lease term, or any extension thereof, and at the same time paying the rentals called for herein. Any renewal shall be subject to any increase in the rental rate for the Equipment imposed by Lessor on similar leases of similar equipment.

19. **Exposure to Hazardous Material or Waste:** Lessee shall not expose the Equipment to any hazardous material or waste. In the event the Equipment is exposed to any hazardous material or waste, Lessee shall immediately (1) notify Lessor, (2) remove the Equipment from such exposure and (3) completely clean and decontaminate the Equipment. If the Equipment cannot be completely cleaned, decontaminated and otherwise discharge from all adverse effects of such exposure, Lessee shall pay Lessor the full value of the Equipment, together with interest thereon at the rate of twenty-four percent (24%) per annum from that date until the said sum is paid in full. Lessee indemnifies and holds Lessor harmless from any and all claims, actions, expenses, damages, costs and liabilities arising from any such exposure of the Equipment to hazardous material or waste. This indemnification survives and continues after the term of this lease.

20. **Miscellaneous:** If any word, phrase, clause, sentence or paragraph of this lease is or shall be invalid for any reason, the same shall be deemed severable from the remainder hereof and shall in no way affect or impair the validity of this lease or of any other portion thereof. It is agreed that this agreement constitutes neither a sales contract nor an option to purchase, and that title to the Equipment above-described remains with the Lessor and Lessee shall have no rights to the said Equipment other than as specifically provided herein. At the option of Lessor, this lease may be recorded or filed with any appropriate governmental entity to evidence Lessor's interest in the equipment. This lease shall not be considered in full force until accepted by the Lessor and executed by its proper officer in Salt Lake City, Utah. All the terms and conditions of this lease shall be binding upon and shall insure to the benefit of the respective parties and their heirs, successors in interest, personal and/or legal representatives and assigns (where permission to assign has been given by Lessor). In the event that the Equipment is damaged and requires repair by Lessor or by any other service facility, the terms and conditions set forth herein shall continue during the period of repair. This lease contains all of the covenants between the parties hereto and any representation or understanding not contained here in shall be of no force or effect whatsoever. Performance by Lessor shall be subject to delays by strikes, breakage, fires, unforeseen commercial delays, insurrection, wars, acts of God, or governmental regulations or other actions. All remedies given Lessor hereunder are cumulative and the exercise of any one remedy by Lessor shall not be to the exclusion of any other remedy. All words used herein shall be construed to be of such gender and number as the circumstances may require. This lease shall be governed by the laws of the State of Utah (except for its choice of law rules).

APPENDIX 4
REQUEST FOR NON-SCHEDULED VEHICLE/EQUIPMENT REPLACEMENT

If your Department wants to replace a vehicle or piece of equipment earlier than its scheduled replacement, please forward this request to the West Jordan Fleet Manager.

Department Name: PUBLIC WORKS

Division Name: SOLID WASTE Phone Number: 569-5722

Vehicle/Equipment Number: V00113 - WHEEL LOADER

Current Condition of Vehicle/Equipment:

FAIR

Provide justification for early replacement:

REPLACING NEARLY 14 YEAR OLD LOADER WITH MORE RELIABLE
EQUIPMENT. RENTAL THROUGH WHEELER MACHINERY STATE CONTRACT MA1625

Discuss feasibility of other alternatives. COULD PURCHASE FOR APPROX \$ 204,235

Budget source for early replacement:

FLEET AND/OR SOLID WASTE OPERATIONS BUDGET

APPROVALS

WT G. S.
Requesting Dept. Director

8/27/2014
Date

[Signature]
Fleet Board Chair

8.27.14
Date

[Signature]
Finance Director

8/27/14
Date

City Manager

Date

APPENDIX 4
REQUEST FOR NON-SCHEDULED VEHICLE/EQUIPMENT REPLACEMENT

If your Department wants to replace a vehicle or piece of equipment earlier than its scheduled replacement, please forward this request to the West Jordan Fleet Manager.

Department Name: PUBLIC WORKS

Division Name: STREETS Phone Number: 569-5722

Vehicle/Equipment Number: V10126 - PAVING MACHINE

Current Condition of Vehicle/Equipment:

GOOD FOR AGE

Provide justification for early replacement

"BUY BACK" AND RENTAL THROUGH WHEELER MACHINERY, STATE
CONTRACT MA1625

Discuss feasibility of other alternatives. COULD PURCHASE FOR APPROX. \$ 398,063

Budget source for early replacement:

"BUY BACK" WOULD FUND APPROX 2.59 YRS OF RENTAL, THEN LOOK
INTO USE OF C-ROAD FUNDS.

APPROVALS

WTG: S
Requesting Dept. Director
8/27/2014
Date

[Signature]
Fleet Board Chair
8-27-14
Date

[Signature]
Finance Director
8/27/14
Date

City Manager
Date

APPENDIX 4
REQUEST FOR NON-SCHEDULED VEHICLE/EQUIPMENT REPLACEMENT

If your Department wants to replace a vehicle or piece of equipment earlier than its scheduled replacement, please forward this request to the West Jordan Fleet Manager.

Department Name: PARKS

Division Name: CEMETERY Phone Number: 569-5711

Vehicle/Equipment Number: VOI 116 - BACKHOE

Current Condition of Vehicle/Equipment:

FAIR

Provide justification for early replacement

REPLACING NEARLY 13 YEAR OLD BACKHOE WITH MORE RELIABLE
EQUIPMENT. RENTAL THROUGH WHEELER MACHINERY, STATE
CONTRACT MAINTENANCE

Discuss feasibility of other alternatives. COULD PURCHASE FOR APPROX \$100,605

Budget source for early replacement:

CEMETERY AND/OR FLEET BUDGET

APPROVALS

 8/27/14
Requesting Dept. Director Date

 8-27-14
Fleet Board Chair Date

 8/27/14
Finance Director Date

City Manager Date

Equipment Number	Equipment	Department	Division	Maint. Cost to Date	Years	Maint. Per year	Purchase Price	Estimated interest
V00113	Wheel Loader	Public Works	Solid Waste	\$ 128,602.32	13	\$ 9,892.49	\$ 204,235.00	\$ 14,759.16
V01116	Backhoe	Parks	Cemetery	\$ 35,317.23	12	\$ 2,943.10	\$ 100,605.00	\$ 7,270.28
							\$ 304,840.00	\$ 22,029.44

See e-mail from D

Purchase w/Interest	Annual Purchase w/Interest	Annual Purchase w/Interest + Maint	Proposed Annual Rental Rate
\$ 218,994.16	\$ 16,845.70	\$ 26,738.19	\$ 26,560.00
\$ 107,875.28	\$ 8,989.61	\$ 11,932.71	\$ 8,750.00

ave Zobell dated 9/2/14

Jim Riding

From: David Zobell
Sent: Tuesday, September 02, 2014 9:53 AM
To: Tim Peters
Subject: RE: Loan interest

Interest Rate 2.78 %
Total Interest paid \$22,029.44

From: Tim Peters
Sent: Tuesday, September 02, 2014 9:28 AM
To: David Zobell
Subject: RE: Loan interest

Thanks!



From: David Zobell
Sent: Tuesday, September 02, 2014 9:27 AM
To: Tim Peters
Subject: RE: Loan interest

OK well get back to you.

From: Tim Peters
Sent: Tuesday, September 02, 2014 9:25 AM
To: David Zobell
Subject: RE: Loan interest

For the purpose of this example – not an actual loan, I assume the term would be for five years.
Interest rate? – that's what I was hoping to get from you.

Thanks



Timothy J. Peters, MBA

Public Services Manager
City of West Jordan
8030 South 4000 West
West Jordan, UT 84088

Office: (801) 569-5722
Fax: (801) 569-5709
timp@wjordan.com
www.wjordan.com

From: David Zobell
Sent: Tuesday, September 02, 2014 9:14 AM
To: Tim Peters
Subject: RE: Loan interest

I would need the term and the interest rate and then I can get it for you.
Dave

From: Tim Peters
Sent: Tuesday, September 02, 2014 9:10 AM
To: David Zobell
Subject: Loan interest

I am in the process of drafting a cost analysis for a Fleet issue. One of the numbers I need for the equation is the total interest rate for a for the purchase of equipment which would cost approximately \$304,840. Can you please tell me what the approximate total interest would be on that amount?

Thanks



Timothy J. Peters, MBA

Public Services Manager
City of West Jordan
8030 South 4000 West
West Jordan, UT 84088

Office: (801) 569-5722
Fax: (801) 569-5709
timp@wjordan.com
www.wjordan.com

Equipment Number	Equipment	Department	Division	Maint. Cost to Date	Years	Maint. Per year	Purchase Price	Estimated Interest	Purchase w/Interest	Annual Purchase w/Interest	Annual Purchase w/Interest + Maint	Proposed Annual Rental Rate
V00113	Wheel Loader	Public Works	Solid Waste	\$ 128,602.32	13	\$ 9,892.49	\$ 204,235.00	\$ 14,759.16	\$ 218,994.16	\$ 16,845.70	\$ 26,738.19	\$ 26,560.00
V01116	Backhoe	Parks	Cemetery	\$ 35,317.23	12	\$ 2,943.10	\$ 100,605.00	\$ 7,270.28	\$ 107,875.28	\$ 8,989.61	\$ 11,932.71	\$ 8,750.00
							\$ 304,840.00	\$ 22,029.44				

See e-mail from Dave Zobell dated 9/2/14