

Find your fit

We want everyone who uses John Deere equipment to have power both in the operator seat and out of it. In the interest of giving you that power and helping you Run Your World, we're launching John Deere Performance Tiering — and we couldn't be more excited. (So excited, in fact, that some of you already got a sneak peek of the program at CONEXPO-CON/AGG® 2020.)

Beginning in 2021, John Deere Performance Tiering will roll out within select construction equipment categories. Machines will be designated as G tier, P tier, or X tier. The tiers are defined by different attributes ranging from application life, performance, serviceability, innovation, and operator comfort. The machines within each tier are easily distinguished from one another to provide you with a clear choice when purchasing equipment. It's the easiest way to match the specific kind of Deere performance you want to the jobs you need to do.

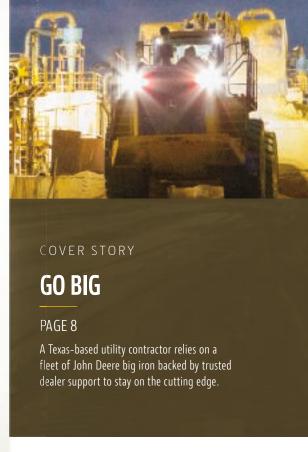
G-tier models are rugged and reliable, providing proven capabilities and value for common construction jobs. It's what you're looking for if you're trying to make guick work of stockpiling, truck loading, and short loadand-carry chores. P-tier models provide exceptional performance that can be counted on to produce at high levels, day in and day out. Advanced features deliver exceptional performance, efficiency, comfort, and service life in demanding high-production applications. X-tier models are equipped with our most innovative technology and features that enable the highest levels of productivity, efficiency, and user experience.

We understand that you have diverse needs, including remaining competitive in an ever-changing industry. John Deere Performance Tiering delivers a range of solutions with different levels of capability to meet your specific needs. Our goal is to help our customers around the world find their fit. How will we reach that goal? With legendary Deere quality and reliability combined with an expanded product offering that more exactly meets your needs.

David F. Thomas David F. Thorne

Senior Vice President, Sales & Marketing Worldwide Construction & Forestry





INSIDE DEERE | PAGE 3

The new John Deere Performance Tiering Strategy is designed to help customers match the machine to their operation, no matter the application.

NO DAY WASTED PAGE 4

Two busy landfill facilities demo a 950K Waste Handler Dozer to see how it takes out the trash in some pretty harsh environments.

TALKING TECH | PAGE 13

Our incredible SmartGrade™ Crawler Dozer warranty covers both the machines and their innovative integrated technology.

HISTORIC UNDERTAKING | PAGE 14

Deere excavators including a pair of 670G LC models have been invaluable to the success of a Canadian site-preparation company.

KEEP RUNNING | PAGE 18

When keeping older Deere iron working makes more sense than buying new, our Certified Rebuild Centers can be a cost-effective solution.

INTRODUCING JOHN DEERE PERFORMANCE TIERING

Match your machine to your operation



X TIER LEADING EDGE

Technology and power set the 644 X-tier apart, making it perfect for taking care of the heaviest-duty jobs in the most fuel-efficient way possible.

- E-Drive system for classleading productivity and fuel burn
- V-pattern truck or hopper loading
- Pushing material
- Load-and-carry jobs
- Waste handling
- Our most robust and advanced hard and soft technologies
- Quieter from both inside and outside the cab
- Long-lasting and reliable electric-drive components



PTIER EXCEPTIONAL PERFORMANCE

When it comes to demanding, high-production situations such as site development, roadbuilding, underground utilities, and ag material handling, the 644 P-tier delivers day in and day out.

- Load-and-carry tasks
- Stockpiling
- Truck loading
- Roomier cab for increased comfort
- Enhanced linkage design for better visibility
- Electrohydraulic (EH) controls with two programmable multifunction buttons



FIND YOUR FIT WITH HELP FROM YOUR DEALER.

G TIER RUGGED AND RELIABLE

From government agencies to rental businesses, the 644 G-tier is a go-to machine that excels at light- to medium-duty tasks. It's also a streamlined superstar for site development, material handling, and support of numerous other applications where efficient overall performance is a must.

- Short load-and-carry jobs
- Stockpiling
- Truck and hopper loading
- Ease of operation
- Reliable support machine
- Affordability

NO DAY WASTED

At 4:15 a.m. at **Meadow Branch** Landfill, District **Manager Steve Keylor** huddles with his three dozer operators before they start work. Keylor wants to rally the troops to make sure they are ready for another busy day. "We're out of the gate by 4:30 a.m.," says Operator Luke McKinney. "And then it's go, go, go! It's just nonstop."

The landfill has grown considerably the last several years. "In 2012 when I started at this location, we were handling about 1,500 tons of municipal solid waste, with 80 trucks unloading here each day," Keylor says. "Today we're processing 3,600 tons a day and seeing 260 trucks a day, so more than double." To keep up, operators typically work 10-hour days during the week, with shorter shifts every other Saturday.

From cocktail-napkin business plan to big business

Meadow Branch Landfill in Athens, Tennessee, is a subsidiary of Waste Connections, the third largest landfill company in the country. "It was founded in 1997 by four gentlemen in a bar, literally on a cocktail napkin," says Keylor. "It's a cool story. They'd all been displaced by other garbage companies — there was a lot of consolidation going on in the industry at the time. They started with one or two locations out west. Today the company generates almost \$6 billion in revenue and employs 15,000 people in over 40 states in the U.S. and Canada."

Keylor has worked in the industry for 28 years. "I've been a garbageman all my life," he says. As district manager, Keylor is responsible for everything that goes on at the facility, including sales, safety, procurement, operations, and the daily work environment. "It's like being the owner essentially," he says. "The buck stops here."

Keylor fosters a positive work environment, with a focus on employee safety and integrity, and customer service. "I have great operators who take pride in their work — it becomes infectious. We

want to provide a good product and treat our customers honestly because we want them to keep coming back. And I want this to be a great place to work. Garbage isn't the most glamorous thing in the world, but we try to make it fun!"

Workhorse

Keylor's philosophy is that you can't get better if you do the same thing over and over. "Waste Connections is a great company — they're very willing to try different things."

One thing that Keylor does differently is the landfill's approach to accommodating 260 trucks a day, which includes over 100 semitrailers. He closely studied the landfill's patterns and flow to design a setup that would minimize choke points and maximize

the flow of trucks. Two massive tippers continually dump the semitrailers into the pit. Smaller trucks line up on either side of the tippers to dump into the pit.

The landfill's largest dozer pushes material from the pit to the slot, while the "slot" dozer pushes material to the compactors. A smaller third dozer covers the compacted waste material with paper pulp at the end of the day. "My guys do a phenomenal job of getting the trucks in and out," he says.

Recently the landfill had an opportunity to demo a John Deere 950K Waster Handler Dozer.
Operator Joe Chapman says, "The machine is a workhorse. It doesn't miss a beat — it'll keep pushing. It's just a nice machine."

WHAT OPERATORS ARE SAYING ABOUT THE 950K WASTE HANDLER DOZER:

COMFORT AND VISIBILITY

"The cab is nice, big, and spacious — you've got a lot more room to stretch your legs." — Don Hampshire, operator, Meadow Branch Landfill

"Visibility is good and the controls are right there." — Joe Chapman, operator, Meadow Branch Landfill

+ AMPLE POWER

"It's definitely got the power. And the guards and seals on this machine do a great job shedding material, which is critical in this environment."

Don Hampshire

"It's a good strong machine, and it does great in the slot." — Joe Chapman

SMOOTH SHIFTING

"The hydrostatic transmission speeds up and slows down without jerking or hard shifting. You just push a button, and you don't feel it — it just glides." $\frac{1}{2}$

— Joe Chapman

continued



What Keylor needs most from a dozer is reliability. "The landfill represents maybe the harshest conditions the dozer can be in," he says. "I've never seen anything harder on equipment than trash. The machine has to stay up and running. The second thing I look at is service and how quickly we get support for a machine if it goes down. The local John Deere dealership always

takes our calls early in the morning and jumps on things right away."

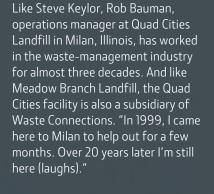
Keylor is always exploring new ways to improve how Meadow Branch Landfill does business. "You've got to be willing to change things up. That's why I'm always glad to see someone trying to build a better mousetrap — or dozer, in this case."

Meadow Branch Landfill is serviced by Meade Tractor, Knoxville, Tennessee.

MATCH THE BLADE TO THE DEMAND

Multiple blade configurations on the 950K Waste Handler Dozer ranging in capacity from 12.9 to 29.8 cubic yards help put trash in its place. Choose between U, semi-U, straight, and power-angle-tilt (PAT) blades depending on model and track configuration.





Each day the 67-acre operation handles around 150 trucks, or an average of 1,500 tons of municipal solid waste. One dozer pushes the garbage into place, while a John Deere 850K is used to cover the garbage in dirt. "The first dozer we bought in 2004 was a John Deere 850C," says Bauman. "I love that dozer — we still run it. We use the

850K every day mainly to cover garbage, but sometimes to push it. It can push every bit as much as the larger competitor dozer we use. Both the 850s are great machines strong dozers with long lives. We put 12,500 hours on the 850C before we touched the engine. The first undercarriage lasted 4,600 hours — that's unbelievable in this harsh environment."

Recently the landfill demoed the same 950K that had visited the Meadow Branch Landfill as well as an 850L Waste Handler. "We're going to purchase a new dozer and wanted to look at a few options sizewise," Bauman explains. "Both performed really well. The machines just speak for themselves — they are the total package."

We put 12,500 hours on the 850C before we touched the engine. The first undercarriage lasted 4,600 hours — that's unbelievable in this harsh environment."

> ROB BAUMAN, operations manager, Quad Cities Landfill



The new machines lived up to everything Bauman already knew about John Deere dozers. "When we bought our first Deere dozer, we didn't have a lot of Deere equipment. Since then, our landfill has tripled in size, and we've added a lot of Deere machines to our fleet. Being in the Quad Cities, we wanted to build a relationship with John Deere. Anyone we've dealt with, whether it's our local dealer, engineers, or anyone with Deere, they've been great to work with."

Quad Cities Landfill is serviced by Martin Equipment, Rock Island, Illinois.



Check out the video at: JohnDeere.com/TheDirt

WHAT THE OPERATOR IS SAYING ABOUT THE 950K WASTE HANDLER DOZER:

+ A BIG DIFFERENTIATOR FOR JOHN DEERE

"The hydrostatic transmission is easy to operate. It is unbelievable how much you can put in front of the blade on the 950K and not have any issues with the machine heating up or bogging down. If you start up an incline with a full blade, the machine compensates and adjusts for the load. You don't have to downshift or worry about a torque converter heating up." — Rob Bauman, operations manager, Quad Cities Landfill

SIMPLE TO SERVICE

"Our mechanic is impressed with the cooling system on these new machines and, in general, how everything is set up to make it easy to check levels in the morning or perform service." — $Rob\ Bauman$

COMFORTABLE CAB

"My operators appreciate the machines' comfortable cabs and excellent HVAC system. It's plenty warm in the winter and plenty cool in the summer. I hear no complaints at all." — Rob Bauman

FEATURES FOR HARSH CONDITIONS

"The trash rack works great and provides excellent visibility. The trapezoidal shoes shed material from the undercarriage, so the tracks seem to last longer. We've never had any trouble with undercarriage life." — $Rob\ Bauman$

COVER STORY LEERE WISCONSIN CONTRACTOR SEIZES TEXAS-SIZED OPPORTUNITY





John Deere is a true partner. They've been great to us. When we came down here, our local Deere dealer, RDO Equipment, immediately wanted to be a part of it. We explained that in this industry, uptime is crucial to us - that it's all about keeping the iron running. And they said, 'Understood.'"

- SHANE SABIN, co-owner, Stout Excavating Group

Sometimes opportunity knocks at the most inopportune time. In April 2018, Paul Mumm, president of Stout Construction, Chetek, Wisconsin, called his friend and former college roommate Shane Sabin with a business proposition. "We were approached by another Wisconsin contractor we have worked with, Al Excavating, to see if we wanted to start mining operations near San Antonio, Texas," recalls Mumm. "I needed someone to run it, and I knew the perfect people — so I asked Shane and his wife Amanda."

Mumm and Sabin graduated together from University of Wisconsin – Stout in 2012. After college Mumm founded Stout Construction, doing sand mining and excavation work, while Sabin worked on industrial construction projects in North Dakota during the oil boom before ending up in the frac-sand business. Wisconsin had become a major source of frac sand, and Mumm and Sabin worked together for a sand plant — Stout Construction contracted to do the mining when Sabin was plant manager. In recent years, oil companies have been sourcing frac sand closer to large oil basins to reduce shipping costs. While this caused Stout Construction to pivot to other types of work, it also led to the opportunity near San Antonio.

"Amanda and I had just bought some land in Osceola, Wisconsin, and were planning to build a house when Paul called," says Sabin. "Amanda had just landed her dream job in the healthcare field, so her first reaction was, 'Heck no.' But we heard Paul out, and a week later, we packed our bags and headed to Texas to start Stout Construction's sister company, Stout Excavating Group."

After they arrived, Shane and Amanda quickly set up shop with just six operators. They opened a small office in their own home, working from 6 a.m. until 6:30 p.m. Shane handled operations while Amanda assumed

many hats, including back-office duties, human resources, and safety training. She even learned to drive an ADT for a few months when they were short on operators. By year's end, the company had grown to over 100 employees and was running operations around the clock in three additional mines.

"It's worked out great," says Sabin. "The toughest part was leaving friends and family. But the people in Texas have really embraced us — they have as warm a heart as the people in Wisconsin do. And the team we have put together is awesome. It's a pretty special culture we've created. It's been a great experience, and I wouldn't do anything differently."

"UNDERSTOOD"

Today Stout Excavating Group operates a fleet of 182 pieces of mobile equipment to handle mass excavation and utility services for several mines, subdivisions, new schools and additions, and many other types of projects. "John Deere is a true partner," says Sabin. "They've been great to us. When we came down here, our local Deere dealer, RDO Equipment, immediately wanted to be a part of it. We explained that in this industry, uptime is crucial to us — that it's all about keeping the iron running. And they said, 'Understood.'"

A key reason the company chose Deere is the quality of its equipment. "It's second to none. The mining operations are very abrasive and a tough environment. We pile the hours on our machines, and the durability of Deere machines is second to none. They can handle a ton of work in multiple applications and have proven to be reliable."

At the mine near Poteet, the company excavates an average of 16,000 cubic yards of sand a day, along with managing waste streams from the plant. The facility processes five million tons a year. Bench mining is the primary

- continued



MASSIVE PROPORTIONS

STOUT EXCAVATING GROUP runs an operation of epic scale. Each day the company excavates 16,000 cubic yards of sand.

SAND EXCAVATED PER DAY

16 K cubic yards / 19,440 tons



means of extraction from pits that can be over 100-feet deep. At pit number three, a John Deere 1050K Dozer maintains stockpiles, builds ramps, and shapes haul roads. A Deere 870G LC Excavator loads a continuous stream of Deere 410E ADTs, which haul the sand to a processing area where a Deere 944K Hybrid Loader feeds the hoppers.

"Our 1050K Dozer has been a beast for maintaining the stockpiles," explains Sabin. "We might be running 10 haul trucks on a given mining site, with three or four bombarding the stockpile in one of the pits — so you've got to be able to keep up. The 1050K has plenty of power for pushing high volume and ripping through hard material. This machine hits that sweet spot for us with proven performance in the field, time and time again."

ENJOY THE RIDE

The company recently demoed an updated 1050K with a new undercarriage. The undercarriage has been redesigned with oscillating rollers that dramatically reduce machine vibration, for a softer. quieter ride in the cab. "About an hour after the machine was delivered, the foreman picked up the phone and called me to ask what was different," says Sabin. "'It just rides substantially better and is way quieter,' he said. The new undercarriage helps keep the operators comfortable, focused, and on task over a 12-hour shift."

Operator Cole Babic is impressed by the updated 1050K. "This dozer is a different animal. When you run over a rock, it's not jerky or abrupt. It's much smoother than previous models."

In the sandy environment, the value of a good undercarriage goes beyond providing a comfortable ride. "The wear from sand is exponential compared to topsoil or rock — it's like sandpaper. We've done extensive testing and found that the additional cost for John Deere Extended Life Undercarriages really pays for itself in terms of extended life and lower cost per hour over the long term."

RDO Equipment also helps keep the Deere dozers and other machines up and running. "They have our back they're just very hands-on. They regularly check on operations and put boots on the ground immediately if we have any problems." Through John Deere Connected Support[™] and JDLink[™], the dealer also helps Stout Excavating Group remotely monitor the entire fleet and issues Expert Alerts that provide fast, accurate solutions to machine-health issues based on the experience of hundreds of connected machines.

John Deere's extensive dealer network means help is on the way wherever Stout Excavating Group and Stout Construction are working. "Service and support are beyond compare," says Sabin. "We can go anywhere in this country and feel supported to tackle the next job."

Mumm regularly visits Sabin and Stout Excavating Group's mining operations in Texas and concurs. "We've done really well down there with a great team and lots of strong support from John Deere. It's been a pretty wild ride — exciting, fun, and fast-paced. It's been really rewarding."

Stout Excavating Group is serviced by RDO® Equipment Co., New Braunfels, Texas.

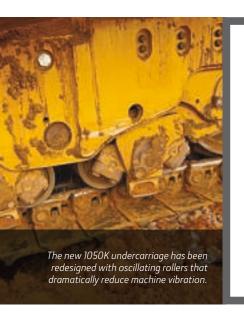
WHAT OPERATORS ARE SAYING ABOUT THE 1050K DOZER:

COMFORTABLE AND QUIET

"The new undercarriage helps keep the operators comfortable, focused, and on **task over a 12-hour shift."** — Shane Sabin, co-owner, Stout Excavating Group

SMOOTH RIDE

"This dozer is a different animal. When you run over a rock, it's not jerky or abrupt. It's much smoother than **previous models."** — Cole Babic, operator, Stout Excavating Group





GO FURTHER WITH A

SMARTGRADE™ CRAWLER VVARRANTY

Industry-leading extended coverage for our lineup of SmartGrade Crawler Dozers

We stand behind the reliability and durability of our machines and integrated technology. From now to June 30, 2021, if it's factory built with SmartGrade, it will feature an extended three-year/5,000-hour powertrain and hydraulic warranty on both the hard iron and the technology.

This offer is available on eligible machines including 650K, 700K, 700L, 750K, 750L, 850K, 850L, and 950K models. SmartGrade machines combine the power and performance of John Deere dozers with a proven, fully integrated, precision 3D grade-control solution. They're built to last, and with this special warranty as part of the legendary John Deere support system, they're ready to prove it.



Ends June 30, 2021. CONTACT YOUR JOHN DEERE DEALER TODAY.



By extending our industry-leading warranty, we're not only standing behind our SmartGrade technology, but we are also

INSTILLING CONFIDENCE

in our customers that these machines are built to withstand challenging and demanding jobsites.

— MATT GOEDERT, John Deere Solutions Marketing Manager







DIG IN

Parliament Hill has three main buildings: West Block, East Block, and Centre Block. The Centre Block holds the House of Commons and Senate Chambers, the site of the aforementioned 1916 fire. SPL's role in the renovation work will find the company digging down 60 feet in front of the Centre Block to accommodate an expansion, an immense endeavor under normal circumstances.

Of course, these aren't normal circumstances. Due to a combination of proximity to the building and the amount of red tape involved in a government project, blasting is essentially prohibited on the site.

The farther down a project goes, the harder it gets to break up (and extract) the dirt. Thankfully, SPL comes prepared.

"This is a big project, and we need the service and equipment to reflect that," says Ersin Ozerdinc, chief engineer at SPL, referring to the wide array of John Deere excavators SPL brought in to compensate. In addition to a 180G LC, a 245G LC, a 380G LC, and a 470G LC, there are two brand-new 670G LCs, one of the larger production-class excavators currently made by Deere.

"It's obviously a high-profile location with prestigious work being done," says Grimes. "We knew we needed to approach it with our most prestigious equipment."

670G LC EXCAVATOR:

Site Preparation Limited's power player on Parliament Hill digs down 60 feet in front of Ottawa, Ontario's Centre Block.

THE 670G LC FEATURES:

- + EPA Final Tier 4/EU Stage IV-certified diesel engine
- + Advanced hydraulics
- + Power-boost enabled
- + Spacious, comfortable cab
- + Enhanced LCD monitor
- + Cool-on-demand hydraulic fan

A 1916 fire burned down most of the original Centre Block. Site

Preparation Institute

Preparation Institute

Preparation Institute

Preparation Institute

The DRT



UNLIMITED

Grimes is an Ottawa native, so this is a job close to home in more ways than one.

"We've been doing large, very involved jobs in this area for a long time," says Ozerdinc, who has also been in the Ottawa area for over 40 years. "That quality and longevity has made us pretty lucky when it comes to picking and choosing what jobs we'd like to do. Working on Parliament Hill was an opportunity we jumped at."

SPL mostly works with three or four major companies and builders in Canada, predominantly general contractors. Its work is in major excavation and all the related site servicing: sewer, water, roadwork, and electrical as designated by the contract. Whether or not the company realized it at the time, it spent the last 30 years building up to the Canadian Parliament project, with SPL making a name for itself

on the excellence of its work above all else.

"The way we do it now is the way we've always done it," says Grimes. "That's by striving for excellence and doing so in a timely fashion."

A DONE DEAL

Brandt Tractor is the John Deere dealer for SPL, and its healthy relationship will keep SPL's portion of the project moving smoothly along for the three years it's projected to take — and beyond.

"Brandt Tractor takes care of all the equipment," says Grimes. "Part of our business philosophy is to not have mechanics, and John Deere has facilitated that. They're very attentive and we rely on them to make sure these massive projects get done."

"The dealer support is crucial. If something goes wrong, we don't wait two or three weeks for parts. Being able to rely on a certain amount of uptime makes all the difference," says Ozerdinc.

Even aside from maintenance, certain agreements with Brandt Tractor have made all the difference in SPL's success. By having Brandt Tractor coordinate with Deere directly, Grimes, Ozerdinc, and crew are freed up to focus on moving the dirt in the most efficient way possible.

"After 30 years, this is the first job where we decided to put our name on the equipment, and we're happy to have it on John Deere machines," says Grimes.

Site Preparation Limited is serviced by Brandt Tractor, Ottawa, Ontario.



Rebuilt to remain

As a service contractor supporting a 24/7/365 steel-mill operation, Central Teaming Company in Gary, Indiana, spends its days working unceasingly in a miles-long industrial landscape. A fleet of John Deere wheel loaders moves granular material so abrasive that it smooths every bucket down to the bare metal. When one of its 844Js reached 15,000 hours and had the wear and tear to prove it, a trip to a Deere Certified Rebuild Center kept the big iron running strong.



LOCATION IS EVERYTHING

Our online dealer portal can help you contact your dealer and find out more.





844J WHEEL LOADER

I could put the machine anywhere in our operation and not question if it's still capable of handling the day-to-day work. The one really cool thing with the Certified Rebuild Center was that there were no surprises at the end of the day. There were no hidden costs, everything was upfront, and there was constant communication. The machine now has almost 27,000 hours on it, with over 775,000 cycles."





IT'S ALL **ABOUT YOU**

We work on a time line and financial plan we create together to make sure you get exactly what you need.

WE'VE GOT YOU COVERED

A standard one-year warranty covers all components installed during your machine rebuild.



HAVE IT YOUR WAY

We make suggestions and you choose what to rebuild, just like ordering from a menu.



Our professional inspection confirms that functional parts stay put, saving you money and uptime.

What is a John Deere Certified Rebuild Center?

To help with making your machine look and function like brand new, John Deere has designated specific dealerships as Certified Rebuild Centers. The staffs at these dealerships are trained to thoroughly access the condition of the machine and provide expert advice on the areas of highest concern. From there, we make a rebuild plan together with you to work within your needs, your schedule, and your budget.

Visit Deere.com/relife to learn more.





Offer valid on qualifying purchases of new equipment made between 1 April 2021 to 31 October 2021. Subject to approved installment credit with John Deere Financial, for commercial use only. Down payment may be required. Average down payment is 10%. Taxes, freight, setup, delivery charges and optional features could increase monthly payment. Available at participating U.S. dealers. Prices and available models may vary by dealer. Offers available on qualifying purchases of new equipment purchased in the U.S. prices and savings in U.S. dollars. 'Qualified equipment includes the 26G canopy (8150) or calb (8185) operator station with a 18 in. bucket with teeth. 'Qualified equipment includes the 75G excavator with rubber crawler pad tracks (3265) and a 30 in. bucket with teeth.

Machine icons in this ad are representations of qualified equipment.

JohnDeere.com/OwnIt

Contact your dealer today.