

MODERN
MACHINERY

www.ModernUpdate.com

July 2021

KOMATSU

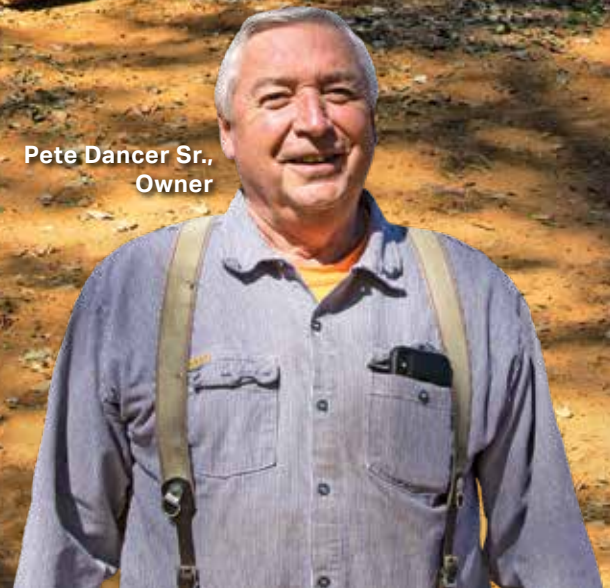
A PUBLICATION FOR AND ABOUT OUR CUSTOMERS IN THE NORTHWEST



Pete Dancer Sr.,
Owner

Dancer Logging Inc.

Three-generation family business
celebrates the 25th anniversary
of their return to Oregon



A Message from Modern Machinery



Jeff Schwarz

Hope for an
infrastructure
boom?



Dear Valued Customer:

It's no secret that our nation's infrastructure needs to be updated. There appears to be growing optimism, and even confidence, that real support for this will happen. Congress continues to work on plans that will hopefully be passed sooner rather than later. Long-term legislation is in the works to replace the current Fixing America's Surface Transportation (FAST) Act that expires at the end of September.

That could be a boon for the construction industry. There would be a significant increase in the need for aggregate products, concrete and earthwork. If you service any of those or related industries, we have the equipment you need to get your job done more productively and efficiently.

That equipment includes the latest dozers, such as Komatsu's new D71-24 base and intelligent Machine Control (iMC) 2.0 D71i-24 models. Previewed at CONEXPO last year, they were introduced to rave reviews. Advanced technology in the iMC models allows operators to run in automatics from grass to grade. This saves time, labor, surveying and staking. As one Komatsu product manager said, "They are equally adept at precise, high-speed grading and rough dozing."

If you are working in tight quarters, such as a lane of traffic or against a building, a compact excavator is a great choice. Check out the new PC88MR-11 which has several updated features that increase productivity and efficiency – including a swing boom that moves independently of the cab. This allows operators to get right next to what needs to be dug without worrying about the counterweight swinging into something.

If you are considering using a breaker to bust up old pavement or to perform demolition, the new ones from Komatsu are made specifically to match up with your PC78 to PC490 excavators. You can read more about your options in this issue and learn how to choose the right one for you.

There are also product support articles that I think you will find valuable, including one on why Supercoolant is a great choice for your machines.

As always, if there's anything we can do for you, please call one of our branch locations.

Sincerely,
Modern Machinery

Jeff Schwarz,
President



In this issue

Dancer Logging Inc. pg. 4

Meet Pete Dancer Sr., whose three-generation family business provides good service and quality logs to its customers.

Guest Opinion pg. 7

Examine the ways value engineering empowers project teams and optimizes designs.

Require the Shot(s)? pg. 8

Learn more about policies related to COVID-19 vaccinations in the workplace, according to AGC and the law firm Fisher Phillips.

All-around Machine pg. 11

Check out Komatsu's newest intelligent Machine Control 2.0 mid-sized dozers that save time and lower costs.

Project Points pg. 14

Take a look at Komatsu's new PC88MR-11 excavator that can get close to structures without the worry of a large counterweight.

Getting to Grade Faster pg. 16

See how CG Jones LLC Construction utilizes intelligent Machine Control GPS systems to finish projects on time and on budget.

Job Site Solutions pg. 19

Explore Komatsu's initial line of branded breakers that are designed and tested to fit Komatsu excavators.



Eugene, Oregon
4610 Cloudburst Way
Eugene, OR 97402
(800) 826-9811
(541) 688-7321
Fax: (541) 689-5429

Portland, Oregon
5241 N.E. 82nd Ave.
Portland, OR 97220
(800) 950-7779
(971) 222-1710
Fax: (503) 255-1553

Missoula, Montana
101 International Drive
Missoula, MT 59808
(800) 332-1617
(406) 523-1100
Fax: (406) 523-1117

Columbia Falls, Montana
28 Arcadia Way
Columbia Falls, MT 59912
(800) 434-4190
(406) 755-5540
Fax: (406) 756-0006

Billings, Montana
7850 S. Frontage Rd.
Billings, MT 59101
(800) 735-2589
(406) 252-2158
Fax: (406) 252-1165

Pocatello, Idaho
2666 Garrett Way
Pocatello, ID 83201
(800) 829-4450
(208) 233-5345
Fax: (208) 235-9658

Boise, Idaho
1257 West Amity
Boise, ID 83705
(800) 221-5211
(208) 336-8570
Fax: (208) 336-6616

Twin Falls, Idaho
2735 Tucker Ct., Suite C
Jerome, ID 83338
(208) 324-4522
Fax: (208) 324-8034

Seattle, Washington
22431 83rd Ave. S.
Kent, WA 98032
(800) 669-2425
(253) 872-3500
Fax: (253) 872-3519

Spokane, Washington
4428 E. Trent Ave.
Spokane, WA 99212
(800) 541-0754
(509) 535-1654
Fax: (509) 534-6741

Rochester, Washington
19444 Ivan St. S.W.
Rochester, WA 98579
(800) 304-4421
(360) 273-4284
Fax: (360) 273-4290

Spokane Machinery
(A Modern Machinery Company)
4428 E. Trent Ave.
Spokane, WA 99212
(800) 541-0754
(509) 535-1576
Fax: (509) 534-6741

KOMATSU

Published for Modern Machinery Company.
© 2021 Construction Publications Inc. Printed in the USA.

Corporate (Missoula, MT)

Jeff Schwarz, President
Jim Hassebrock, VP of Operations
Rob Bias, VP of Marketing
Matt Bucklin, CFO
Chris Johnson, VP Used Equipment
Jim Rang, Director of Service
Leora Kautzman, Credit Manager
Dan Clizbe, Corporate Equipment Manager
Marty Brendal, Product Support Sales Manager,
Corporate Parts Manager
Sam Braithwaite, Aggregate Product Manager
Michelle Martin, HR Manager

Missoula, MT

Bill Crandall, Branch Manager
Ryan Rich, Montana Sales Manager
Jeff Sept, Service Manager
Scott Verworn, Parts Manager
Roy Addyman, Crushing & Screening Sales Mgr.
Ben Ralls, Territory Manager
Robert Ridgeway, Territory Manager - Forestry

Billings, MT

Bill Crandall, Branch Manager
Jason Mosher, Service Manager
Thor Loftsgaard, Parts Manager
Gary Boos, Territory Manager
Chuck Gams, Territory Manager

Columbia Falls, MT

Bill Crandall, Branch Manager
Jeremy Lacy, Service Manager
Dave Slack, Parts Manager

Portland, OR

Randy Maine, Service Manager
Chad Walker, Parts Manager
Dan Kipp, Territory Manager
Rob Jacobs, Territory Manager
Kirk Luoto, Territory Manager
Michael Stepan, Territory Manager
Mike Ambrosius, Intelligent Machine Sales Specialist
Steve Ponder, Oregon Aggregate Sales Specialist

Eugene, OR

Jason Vaughn, Branch Manager
Rich Dupuis, Service Manager
Kevin Carlson, Parts Manager
Karl Schaffeld, Territory Manager
Ed James, Territory Manager
John Hamlin, Territory Manager

Boise, ID

Jim Sandercock, Branch Manager
Keith Moody, Parts Manager
Ryan Rowbury, Territory Manager
Adam Sumner, Territory Manager
Danial Gau, Intelligent Machine Sales Specialist

Pocatello, ID

Jim Sandercock, Branch Manager
Keith Moody, Parts Manager
Dan Hollist, Territory Manager

Twin Falls, ID

Jim Sandercock, Branch Manager
Jason Newlan, Territory Manager
Jeff Gonzales, Parts Sales

Rochester, WA

Jeff Bell, Branch Manager
Craig Chapline, Parts Manager
Dale Birdwell, Service Manager
Russ Smith, Territory Manager

Seattle, WA

Monico Garza, Branch Manager
Matt Fields, Service Manager
Cody Locke, Parts Manager
Marc Bandy, Territory Manager
Mike Foote, Territory Manager
Rick Bosman, Territory Manager
Kevin Thompson, Territory Manager
Michael Blankenship, Territory Manager
Ron "Stretch" Payne, Aggregate Sales Specialist

Spokane, WA

Kim Eickerman, Branch Manager
Rod Hunter, Service Manager
Billy Newman, Parts Manager
Zeek Kent, Territory Manager
Ken McGuire, Territory Manager
Nathan Stott, Territory Manager
Jim Holland, Territory Manager

Spokane Machinery

(A Modern Machinery Company)
Dave Barker, Crushing & Screening Sales Manager
Billy Newman, Parts Manager

Three-generation family business recently celebrated 25 years of being back in the Oregon woods



Pete Dancer Sr.,
Owner

Last year marked the 25th anniversary of Dancer Logging Inc.'s reincarnation in Oregon.

"Like a lot of loggers in this area, the presence of the spotted owl took its toll on us in the late 1980s," Pete Dancer Sr. recalled. "I finished the last contract I had and moved three sites to New Zealand in 1990. As things settled here, I started looking to come back. With kids in junior high and high school and aging parents, we felt it was a necessity."

He did not have to completely start from scratch and work in the woods by himself like he did in 1975, when Pete and his wife, Bonnie, originally founded Dancer Logging. This time around he bought a logging site from a lumber company that came with equipment and employees.

"We slowly grew, and as the boys got older, they joined the business," said Pete. "We now have five sites and more than 50 employees, which is roughly equivalent to what I had in the 1980s. We cover a couple of hours in each direction from our home base in Camas Valley."

Dancer's three sons, Pete Jr., Scott and Eric, are now part owners of Dancer Logging Inc. Eric and Pete Jr. run sites, while Scott dispatches the company's fleet of log trucks and moves equipment. Pete Jr.'s son, Bradley, joined the company and runs a site as well.

"Our projects are primarily clear cuts on private land," Pete explained. "We do thinning on rare

occasions. Our logs go to a lot of places for a wide variety of uses. The main species we harvest is Douglas fir, followed by hemlock, white fir and cedar. We also deal with several hardwoods. In total, I would say we handle about 12 million board feet per year."

Safer, more cost-effective logging with a tether system

Dancer Logging recently purchased a tether system that consists of a modified low-hour, previously-used Komatsu PC290 excavator that Modern Machinery equipped with a Falcon Winch Assist. The set-up is primarily for logging on steep terrain and is used as the "top" or "uphill" machine. It sits stationary with no operator, and the bucket is dug into the ground for added stability.

A hydraulic winch is mounted on the back of the PC290, which gives it approximately the same operating weight as a traditional excavator. The winch houses about 1,640 feet of 1 1/8 inch swaged rope with nearly 80 tons of breaking strength. It runs through rollers on the main boom, has a tension monitor where the boom and arm meet that senses the load, and an optional quick hitch near the bucket.

The end of the line is attached to the "downhill" machine's undercarriage, which in Dancer Logging's case is typically an 85,000-pound (or more) harvester that operators use to cut timber. A control box and antennas are mounted inside and outside the cab of the PC290 for communication with the "downhill" machine.

Operator Brandon Dean uses the winch to move uphill and downhill, controlling it remotely with foot pedals. Winch mode, tension settings, manual pay out or wind in rope, and remote emergency stop are controlled via the joystick in the harvester. A control screen displays rope tension, length of rope payed out and additional important information.

"It's all mechanized, so there is no need for guys on the ground which increases safety," said Brandon. "I can cut as much in a day as three cutters, and with the steep-slope capabilities we can work in winter conditions where we could not before. The Winch Assist has plenty of power to pull the harvester uphill and over a stump if it gets hung up, and I can control the speed."

Brandon added, "Another nice feature is versatility. If I need to clear a spot, dig or do



Discover more at
ModernUpdate.com

Modern Machinery Territory Manager Ed James (left) calls on Dancer Logging Inc. Owner Pete Dancer Sr. "I have to give Ed and Modern a lot of credit for getting the system set up and for training us on how to use it properly," said Pete. "This was our first time dealing with Modern, and we were very impressed."





► VIDEO

Dancer Logging, Inc. uses a tether set-up that includes a modified Komatsu PC290 excavator equipped with a Falcon Winch Assist. The Winch Assist and Falcon Claw 1750 reduce the need for crew on the ground, increasing safety.

some road building, I can use the PC290, so it's more than just a unit that sits still and holds the 'downhill' machine."

Modern Machinery Territory Manager Ed James helped Dancer Logging with a rental purchase option so that it could put the PC290 and Falcon Winch Assist combination to the test.

"We decided to use it on three projects, and if it worked out as anticipated, we would buy it," said Pete. "We officially put it into our fleet late last year, so the results speak for themselves. It proved to be a safe alternative to putting guys on the ground to hand fell trees, and it was really the only cost-effective way to do those jobs with the steep ground."

Pete added, "I have to give Ed and Modern a lot of credit for getting the system set up and for training us on how to use it properly. This was our first time dealing with Modern, and we were very impressed. We appreciate everything they have done."

Dancer Logging recently added a Falcon Claw 1750, which runs on cables from a yarder and is controlled remotely by joystick. The unit has a high-quality, waterproof camera with infrared for low light and poor visibility operation, and an in-built light enables the operator to work day or night. An LCD display gives the operator clear visibility and real-time information from



the video feed, including GPS, distance from the grapple to the yarder, and altitude from the landing. The Falcon Claw removes the need for a downhill crew and a poleman at the top of the skid, increasing safety and cost-effectiveness.

Anticipating more vacation time

After more than 45 years in the woods, Pete is ready to take a step back. He will turn 70 later this year and is looking forward to vacationing more with his wife, Bonnie, who has done bookkeeping for Dancer Logging through all of its incarnations.

"I'm happy with where the business is," he said. "The boys have helped tremendously in building it, and they will do a great job running it. I'll work in a consulting role. Other than that, I don't see a lot of change. I think Dancer Logging will continue to do what it's always done — provide good service and quality logs to its customers." ■



Brandon Dean,
Operator

Confidence and Reliability starts and ends with **Dynapac!** *Your Partner on the Road Ahead.*



Available through

MODERN
MACHINERY



Designed to perform, Built to last

dynapac.us | 800-651-0033

Follow Dynapac North America

Linked    YouTube 

Value engineering should empower project teams to optimize designs by examining all functions and their associated costs

Completing construction projects on time and within budget can seem like a daunting task. With additional pressures like fluctuating material costs, skilled labor availability and operational costs, clear and creative planning from the start become even more crucial. This is where value engineering can offer several benefits.

When value engineering is referenced in our industry, our minds may immediately go to a process that reduces project cost by slashing the scope or decreasing the quality of materials used. However, that is not necessarily what the definition should be.

In construction, value engineering empowers project teams to improve value by examining the function of each element and its associated cost. By examining the cost-benefit ratio, integrated design and construction teams can make suggestions for alternate delivery methods, designs or materials that enhance project value.

It's critical to note that boosting the value of projects does not mean reducing costs. It means optimizing project components through an analysis of all factors – cost, upkeep, wear and tear, aesthetic value, etc. To provide truly advantageous value engineering, design and construction teams must first understand the project as a holistic effort. Every project is different, as is every business' definition of value.

Live and breathe entire project life cycle

Value engineering assesses the functionality of a product, good or service in relation to cost. With this service, consideration is provided right from the beginning of the project regarding availability of materials, labor and material costs, construction delivery methods, construction site constraints and more. By evaluating these factors upfront and limiting possible difficulties that could arise during the project, owner expenses may be reduced, and the schedule can be tightened.

In combination with value engineering, the best way to achieve successful results during a project is to have a fully integrated design and construction team that lives and breathes

the entire project life cycle. The design, construction and, ultimately, the end user need to be joined together on every decision, from design inception through training and turnover. This allows the team to not only suggest innovations and value propositions during the project, but also to offer solutions for the most efficient yet reliable results for years to come. ■

Author bio: John Maranowicz oversees design-build projects ranging from major airport expansions to work involving industrial manufacturing, food and consumer products, aerospace, and surface transportation at Burns & McDonnell. He is experienced in every facet of construction management, including preconstruction, estimating, design management, value engineering, scheduling and direct supervision of self-perform projects.

Editor's note: This article is excerpted from a blog by John Maranowicz at Burns & McDonnell. To read the piece in its entirety, visit: <https://blog.burnsmcd.com/optimizing-construction-projects-with-value-engineering>.



John Maranowicz,
Regional
Construction/
Design-Build Group
Manager, Burns &
McDonnell

John Maranowicz, Regional Construction/Design-Build Group Manager with Burns & McDonnell, says, "Value engineering empowers project teams to optimize designs by examining the function of each element and its associated cost. By examining the cost-benefit ratio, integrated design and construction teams can make suggestions for alternate delivery methods, designs or materials that enhance project value."



AGC, Fisher Phillips offer guidance to employers about policies related to COVID-19 vaccinations

In February, President Joe Biden said that the United States would have enough COVID-19 vaccines to inoculate 300 million Americans. That would mean everyone in the country could potentially be vaccinated by this summer – which is significant considering the drive to put shots in the population's arms began in late 2020.

The plan to vaccinate Americans included phasing the shots in with essential frontline workers, such as healthcare professionals, in Phase 1A. Those in the construction industry were slated for Phase 1C, which was expected to begin in late spring of this year.

The Associated General Contractors of America (AGC) and the law firm Fisher Phillips put together a document to help construction employers answer questions with regards to vaccines and their employees. The piece is for informational purposes and should not be considered legal advice or recommendations, according to the organization and attorneys. Here are a few of the highlights.

Can we require employees to be vaccinated?

The Equal Employment Opportunity Commission (EEOC) issued updated guidance on this issue in December of 2020. The agency's updated FAQs do not unequivocally state that "employers can require the vaccine." However,

it repeatedly answers questions discussing what actions employers can take in response to various circumstances after an employer has mandated the vaccine. This language plainly suggests there are circumstances where employers may require vaccine immunization of their workers without violating the Americans with Disabilities Act (ADA), Title VII, and other federal anti-discrimination laws.

The only scenario explicitly described by the EEOC as a permissible basis to mandate vaccination under the ADA is when a worker poses a "direct threat" to themselves or others by their physical presence in the workplace without being immunized.

Should we require our employees to get a vaccine? AGC takes no position. This is a decision that employers should make based on their particular legal obligations and business needs.

One factor to consider is the "general duty" clause of the OSH Act, which requires that employers "shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees."

If we decide not to require employees to be vaccinated, how could we best encourage

In February, President Joe Biden said that the United States would have enough COVID-19 vaccines to inoculate 300 million Americans. Those in the construction industry were slated for Phase 1C, which was expected to begin in late spring of this year.





The Associated General Contractors of America and the law firm of Fisher Phillips put together a Q&A for construction employers to give them guidance on employee vaccinations. To view the entire piece, visit https://www.agc.org/sites/default/files/Galleries/enviro_members_file/Vaccine%20QAs.pdf.

employees to get vaccinated? Employers can and should educate themselves and their employees regarding the benefits and safety of the vaccine, especially compared to the risks of not being vaccinated. They should also explore ways to make it easier for employees to get access to the vaccines, such as providing information about local vaccination providers, arranging for mobile units or clinics at or near job sites, paying for any vaccination costs, and allowing employees to get vaccinated during paid work hours.

What should employers consider before requiring employees to be vaccinated?

Employers should ensure that they can articulate the reason for the mandate, specifically how the vaccination is job-related and consistent with business necessity. Employers should also ensure that policies fully inform employees of applicable requirement and explain how employees may seek an exemption as an accommodation, based on a medical condition or a sincerely held religious belief. If an employee seeks an exemption on either or both bases, employers must engage in and document an interactive exchange with the employee to determine whether a reasonable accommodation would enable them to perform their essential job functions without compromising workplace safety.

Are there state and local laws that should be considered? Yes. Fisher Phillips has a 50-state chart on vaccines, exemptions and related issues.

If we require our employees to be vaccinated, are we liable for any adverse reaction an employee might have from taking the vaccine?

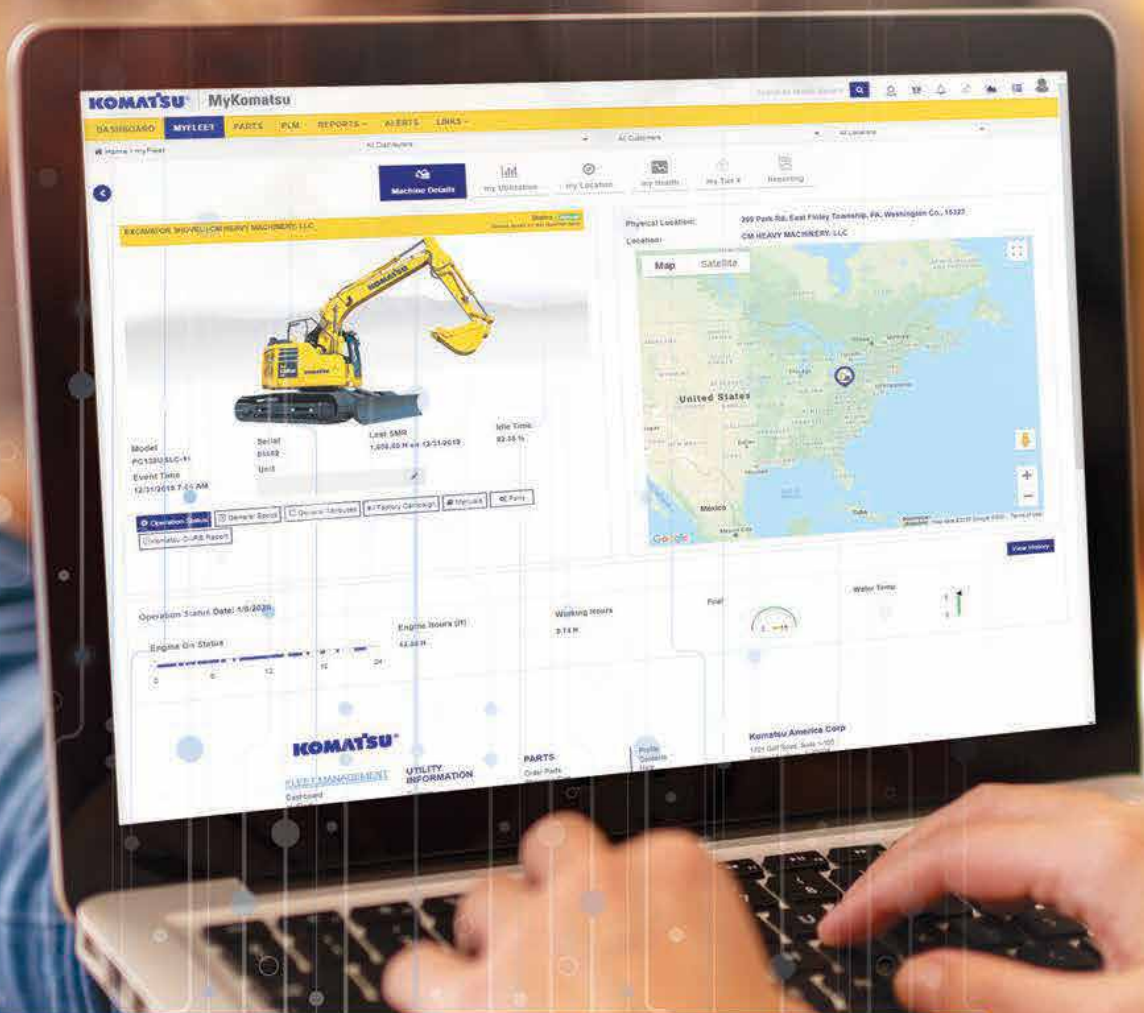
Individuals who experience adverse side effects may assert claims against the manufacturer, the pharmacy or provider who administers it and possibly the employer, depending on the facts. This does not mean the claims would be successful. In most states, workers' compensation is the exclusive remedy for illness or injury acquired at work, in the absence of an intentional action or gross negligence.

Do we have to pay for our employees to get a vaccine? If the employer requires the vaccine, the employer must ensure the employee pays no cost. Further, the most conservative approach would be for the employee to be paid for the time spent getting the vaccine in that scenario. ■

Editor's note: Information provided here is excerpted from a piece by the Associated General Contractors of America and the law firm Fisher Phillips. The full piece can be accessed at https://www.agc.org/sites/default/files/Galleries/enviro_members_file/Vaccine%20QAs.pdf.

We encourage you to visit the site for more comprehensive information.

KOMATSU



Manage your fleet from home

Now you can stay connected to your fleet and your business – no matter where you work. Simply log on to My Komatsu, your free online portal for remote fleet management, parts ordering and tracking, parts and service news, and other real-time, customized information that creates the connections to support your business from anywhere.

mykomatsu.komatsu

Want a single mid-sized dozer that saves you time, lowers your costs and makes your new operators more effective?

Do bigger jobs always require larger or multiple machines? What if you could get the same amount of work done with a mid-sized dozer that allows you to push large loads while also giving you the ability to get to finish grade? How much savings in time, owning and operating costs would that give you?

"These are considerations you should take into account when approaching every project," said Jon Jennings, Komatsu Product Marketing Manager. "Choosing the right machinery makes a significant difference in production, efficiency and profitability. A single dozer that can push, side cut, finish and work in soft ground gives you a real advantage."

Jennings added that technology such as GPS systems can make the dozer and the operator even more effective at moving dirt productively and efficiently. These systems decrease the time it takes to get to grade, which reduces staking and surveying costs, and virtually eliminate overcutting and the need for expensive fill.

"GPS systems and additional technologies continue to reduce owning and operating costs," stated Jennings. "They are also helping new operators become productive faster. With a shortage of skilled operators, that's a tremendous help."

Manufacturers such as Komatsu are factoring in all of these needs as they design and build new machines, according to Jennings. Komatsu

introduced its first intelligent Machine Control (iMC) dozer with factory-integrated GPS about eight years ago and has developed several new models with additional technology since. This includes their new iMC 2.0 models with added satellite systems to improve satellite coverage – which gives operators the ability to work in more challenging areas, such as near woods or on urban job sites.

New technology features

The newest iMC 2.0 D71EXi-24, D71PXi-24 and D71PXi-24 Wide dozers combine several features designed to further increase production. Among them are:

- Lift layer control that optimizes earthwork productivity with the press of a button. It maintains compaction quality by automatically controlling lifts to the desired height. Excess fill is eliminated as automatic blade control follows the finished surface once lifts have reached finished grade.



Discover more

Continued...

Quick Specs

Model	Net horsepower	Operating weight	Blade capacity*
D71EX-24	237 hp	49,824 lb	5.8 cu yd
D71PX-24	237 hp	50,927 lb	6.1 cu yd
D71PX-24 Wide	237 hp	52,690 lb	6.6 cu yd
D71EXi-24	237 hp	50,045 lb	5.8 cu yd
D71PXi-24	237 hp	51,147 lb	6.1 cu yd
D71PXi-24 Wide	237 hp	52,911 lb	6.6 cu yd

* Power angle tilt blade

The new D71i-24 intelligent Machine Control 2.0 dozers feature the super-slant nose design that offers outstanding visibility to the cutting edges. "Seeing the front of the machine with reduced blind spots increases awareness of the job site," said Jon Jennings, Komatsu Product Marketing Manager.



Patent-pending Proactive Dozing Control logic

... continued

- Tilt steering control automatically tilts the blade to maintain straight travel during rough dozing and reduces operator steering input by up to 80%.
- Quick surface creation lets operators create a temporary design surface with the press of a button. Combined with other iMC 2.0 functions, crews can begin stripping or spreading using automated input while waiting for the finish grade model.

"The D71i-24s also have our patent-pending Proactive Dozing Control logic that enables even less-experienced operators to cut/strip automatically from existing terrain," said Jennings. "The dozer measures the terrain while tracking over it and uses that data to plan the next pass, improving productivity by up to 60% compared to previous-generation models. The ability to use automatics from first pass to last, instead of just during finish grading, significantly reduces the time it takes to reach target elevation. Proactive Dozing Control decides on the action of the blade — such as whether to cut and carry material, spread or fill that material or whether it should finish grade."

Better visibility for more efficient grading

Jennings said visibility plays an important role in operator productivity. Being able to see the

blade's cutting edges increases production, especially during fine grading work near curbs. The D71i-24 is now the largest of Komatsu's hydrostatic dozers, and it maintains the unique super-slant nose design.

"Seeing the front of the machine with reduced blind spots increases awareness of the job site," said Jennings. "That's important when running a large machine such as the D71, which has the biggest standard blade in its class size. It increases operator confidence and, in turn, their ability to be more productive."

In addition to the iMC 2.0 D71i-24 models, base D71-24 dozers are also available. EX dozers have a ground pressure of 6.3 psi. With a ground pressure of 5.8 psi, the PX models work well in soft conditions; and for highly sensitive areas, PX Wide models with a ground pressure of 5 psi are available.

"With the D71-24s, we specifically matched the track shoes' width to the blade length to ensure optimal performance," said Jennings. "Additional new performance features include improved steering response and maneuverability. In the new Fast Mode during turns, the outside track speeds up while the inside track slows down."

"From golf course construction to highway projects, the D71-24s are all-around crawler dozers," said Jennings. "Equally adept at both precise, high-speed grading and at rough dozing, they are designed to provide outstanding wearability and functionality with a high-capacity, wear-resistant dozer blade. We encourage anyone looking for a solid mid-sized dozer with the versatility to perform on practically any job site to contact their distributor to set up a demonstration." ■

New technology combined with integrated intelligent Machine Control allows automatic grade control from rough cut to finish grade on a wide range of job sites. "Choosing the right machinery makes a significant difference in production, efficiency and profitability. A single dozer that can push, side cut, finish and work in soft ground gives you a real advantage," noted Jon Jennings, Komatsu Product Marketing Manager.





KOMATSU

Your work is essential

Roads, hospitals, homes, schools – the vital construction services you provide don't always stop when there's a crisis. We are right there behind you, creating connections to support your crew and your fleet so you can do the work you do, no matter how trying the times.

Find out more at www.komatsuamerica.com.

Are you looking for an excavator that can get close to structures, traffic without the worry of a large counterweight?



Jonathan Tolomeo,
Komatsu Product
Manager



Discover more

Tight job sites present unique challenges. In order to be the most productive in those instances you have to carefully consider the type of equipment to use. For instance, an excavator with a large counterweight could swing into an obstruction or into a lane of traffic.

"Tight-tail-swing and compact excavators continue to gain popularity because they are a great solution for these kinds of sites," said Jonathan Tolomeo, Komatsu Product Manager. "On projects where space is at a premium, such as urban areas or during highway reconstruction where you can only work in a single lane, they deliver outstanding production results in a small package. They are also great for tasks that require you to place the machine very close to a house or other type of building."

Tolomeo added that not all tight-tail-swing and compact excavators are right for every limited-space situation. Take foundation repair for example. He emphasized that the best fit for the job is a machine with a swing boom that can work independently of the cab.

"The operator positions the tracks very close to the structure, then only moves the boom," Tolomeo explained. "This allows for digging at various angles while the cab stays in a fixed position. There is virtually no chance of a counterweight swinging into the house or other building as you dig and pile dirt."

Attachments increase versatility

Komatsu recently introduced its latest model, the PC88MR-11, with a host of new features that improve production and fuel efficiency with a viscous fan clutch.

"An improved design of the standard blade rolls material better for more efficient dozing or backfill work, which increases the PC88MR-11's versatility and may provide costs savings by not having to use an additional machine," said Tolomeo. "You can further increase versatility with attachments such as hammers and grapples."

The excavator has two-way auxiliary control with a dual-stage relief valve, as well as a thumb mounting bracket – so it will run practically any tool in the industry. That capability increases its availability and gives you additional applications and potentially better profitability and return on investment."

He added that productivity increases when you can set hydraulic pressure and flow from inside. The PC88MR-11 lets operators do that, which is a change from the previous model. Additional upgrades include better serviceability with larger service doors and centralized ground-level access to filters located within a common area.

"The list of enhancements, improvements and upgrades is long, and we encourage anyone who is looking for a productive compact excavator that increases versatility, to contact their distributor for a comprehensive list and a demonstration," said Tolomeo. ■

Quick Specs

Net horsepower
68 hp

Operating weight
18,739-19,224 lb

Bucket capacity
0.12-0.26 cu yd

The new PC88MR-11 with a swing boom lets operators position the tracks very close to the structure, then only move the boom. "This allows for digging at various angles while the cab stays in a fixed position," said Jonathan Tolomeo, Komatsu Product Manager. "There is virtually no chance of a counterweight swinging into the house or building as you dig and pile dirt."



BUILT TO CONNECT



A Workhorse To Depend On

The Carlson CP100 II sets the standard for versatility, component lifecycle and mat quality. With a powerful 100hp engine, an array of configurations and the class-leading EZCSS single slide screed, it's time to see why the CP100 II has fast become the contractor's choice for heavy-duty commercial paver platforms.

www.astecindustries.com



**MODERN
MACHINERY**

www.modernmachinery.com

Kent, WA
(800) 669-2425

Boise, ID
(800) 221-5211

Missoula, MT
(800) 332-1617

Rochester, WA
(800) 304-4421

Pocatello, ID
(800) 829-4450

Eugene, OR
(800) 826-9811

Spokane, WA
(800) 541-0754

Columbia Falls, MT
(800) 434-4190

Portland, OR
(800) 950-7779

Billings, MT
(800) 735-2589

CG Jones, LLC Construction looks to technology to help take projects from concept to finish, on time and on budget



Trey Alexander,
Co-owner



Brad Williams,
Co-owner

In 2013, civil engineers Trey Alexander and Brad Williams started a business to meet the overwhelming demand for project design solutions in their area. Their stated goal was to offer quality civil engineering and surveying services as well as common-sense solutions.

Through the next five years, clients expressed the need for new site and civil general contractors, so in 2018, Alexander and Williams formed CG Jones, LLC Construction to provide innovative solutions to complicated problems. It has since grown to 20 employees.

"We'll take on any public or private civil construction project, but our forte is design-build," expressed Alexander. "By partnering with the engineering side of our company, we're able to take our clients' projects from concept to finish. We've built a reputation on ensuring that whatever our clients need, we'll finish on time and on budget."

Alexander said a major factor in their ability to do that is due to the machines the company runs. Because of his experience through a former employer, he knew industry-leading technology would play an integral role at CG Jones Construction. That's why the firm utilizes Komatsu dozers and excavators with

integrated intelligent Machine Control (iMC) GPS systems. Its fleet includes D51PXi-24 and D61PXi-24 dozers, as well as PC210LCi-11 and PC290LCi-11 excavators.

"The first piece of equipment I bought was an intelligent machine because the entire precept of our business is built on using leading-edge technology," explained Alexander. "The iMC capabilities make hitting grade easier for our operators and also make them more productive. I expected we would be more efficient with an iMC machine, and that's proven true."

Operators prefer iMC machines

During the past few years, Alexander and Williams have acquired other companies. A crew from one of them was accustomed to operating a competitive brand of equipment. They now prefer Komatsu, according to Alexander.

"They realized they're much more productive in the Komatsu equipment because they know where they are (in relation to target elevation) at all times," Alexander said. "They know what a job site is supposed to look like when it's done, and they're able to achieve that more efficiently with the iMC equipment. Every operator I've put in the seat of an iMC machine, no matter how much experience they have, prefers them." ■

A CG Jones Construction operator grades with a Komatsu D51PXi-24 dozer.

"Our operators have realized they're much more productive in the Komatsu equipment because they know where they are (in relation to target elevation) at all times," said Co-owner Trey Alexander. "They know what a job site is supposed to look like when it's done, and they're able to achieve that more efficiently with the iMC equipment. Every operator I've put in the seat of an iMC machine, no matter how much experience they have, prefers them."



**KOMATSU**

Connected to your success

Now you can stay connected to your fleet and your business – instantly. From a cell phone, laptop, tablet - simply log on to My Komatsu, your free online portal for remote fleet management, parts ordering and tracking, parts and service news, and other real-time, customized information.

mykomatsu.komatsu

PERFORMANCE MATTERS.



Kodiak® Plus Cone Crushers

When performance matters, our industry-leading Kodiak® plus cone crushers offer up to 50% reduced operating costs through precision roller bearing design. They are ideal when uptime and product quality are critical to your operation. Kodiak® plus cone crushers are available in models from 200 to 500hp.



Crushing and Screening available through Modern Machinery

Thinking about a breaker? Here are some considerations to help you decide what's right for your operation

Hydraulic breakers for excavators were introduced a little more than 50 years ago. They soon gained popularity because they added versatility – and greater profitability – to what was previously a one-dimensional machine. In addition to digging, operators could now hammer rock, break up pavement and perform demolition.

During the past five-plus decades, the number of breakers introduced to the marketplace continued to grow. There are numerous models and types today. Choosing the right one takes careful consideration to ensure optimal production and efficiency.

"There are several variables that should be taken into account when choosing a breaker; it's definitely not a one-size-fits-all deal," said Eric Chudzik, District Manager of the Komatsu North America Attachments Division. "The first consideration is looking at what model of machines you have available. Next, you have to look for a breaker size that will tie into the type of material you want to break – is it hard rock, concrete or both? What is the application? What type of production do you want to achieve? Purchase price should also be a factor in choosing a breaker."

Another major consideration is purchasing versus renting. How often a breaker will be used and where you work play key roles in

determining which is the right choice for you. Areas with rocky soils that have local ordinances prohibiting blasting would be prime locations for opting to purchase a breaker.

"If you encounter rock on a daily, or near-daily, basis, buying makes perfect sense," said Aaron Scarfia, Regional Manager of the Komatsu North America Attachments Division. "If your projects are in areas where you only run into rock occasionally or not at all, then rental is the way to go. However, you may also do a lot of demolition. In that case, making the investment in a purchase could be justified."

Chudzik added that the type of demolition you perform should factor into which breaker you need. "Bridge decks and abutments, roadways, curb and gutter,

Continued...

Komatsu recently introduced its initial line of branded breakers. The product offering includes the JTHB-G (Gas) series dual-energy type and the JMHB-H (Hydraulic) series with eight models in each series. All are designed and tested to fit Komatsu excavators from the PC78US-11 to the PC490LC-11 models, and their high-percussion efficiency and unique variable energy technology provide high production in multiple applications.



Aaron Scarfia,
Regional Manager,
Komatsu North
America Attachments
Division



Eric Chudzik,
District Manager,
Komatsu North
America Attachments
Division



Breakers designed and tested to fit Komatsu excavators

... continued

and heavy foundations are all different. If you choose one for curb and gutter and try to use it for heavy foundations, the production is likely to be disappointing. Think about how much you do in this segment, what you're breaking and match the attachment to the machine and tasks."

To help you choose the right breaker and be most productive with it, Komatsu has a dedicated attachments sales and service team to support both you and your distributor. The specialists are factory trained and experienced in installation, operation, service and rebuilds, noted Scarfia.

New breakers that match

Komatsu recently introduced its initial line of branded breakers. The product offering includes the JTHB-G (Gas) series dual-energy type and the JMHB-H (Hydraulic) series with eight models in each series. All are designed and tested to fit Komatsu excavators from the PC78US-11 to the PC490LC-11 models. Their high-percussion efficiency and unique variable energy technology provide high production in multiple applications, said Scarfia.

"Komatsu breakers are specifically paired to a machine size. The model numbers of the breakers and the machines match, so that you can easily identify the right attachment for your excavator," explained Scarfia. "They are approved for each model to use in breaker mode – which is single-direction hydraulics with hydraulic fluid traveling from the control valve

to the attachment and back to the source. That makes them very efficient for your machine."

Komatsu built in several features and benefits to protect the breaker, carrier and operator. "Komatsu breakers have an accumulator that recycles high-pressure oil internally, reducing hydraulic surges returning back to the carrier," Chudzik said, noting that some other manufacturers do not include this feature. "That allows us to create more energy with a lower flow. It also reduces hydraulic pressure spikes leaving the breaker, protecting the hydraulic system of the carrier."

Blank fire protection reduces firing when the tool is not in contact with material being broken. This system reduces misfires, increasing the longevity of the hammer while allowing the operator to concentrate on the job.

"Automatic pressure regulation keeps the breaker operating at a constant operating pressure to ensure consistent energy and peak performance," said Chudzik. "Also included are suspensions that reduce vibration going back to the carrier and operator; fully enclosed 'soundproof' cradles and housing that reduce noise; and the breaker packages feature automatic greasing for ease of maintenance."

Rebuild periodically for longer life

How you use the breaker and maintain it factor into its useful life, according to Chudzik. He's seen breakers that needed to be replaced within two years due to neglect and some that have lasted more than two decades thanks to diligent servicing.

"The user is a key component, not only in production but also in longevity," said Chudzik. "They should be well-trained in how to avoid blank firing and how not to use the breaker for prying as that will prematurely wear out the bushings and break working tools. If you treat it right with proper maintenance and rebuilds when required, it may last for 10, 20 years or longer."

Scarfia noted that Komatsu has a rebuild program. "For a flat rate, we provide the labor and genuine parts to repair the breakers. This service is offered through our distributors and our dedicated breaker repair center with factory trained technicians. If you adhere to the recommended maintenance schedule, an extended warranty is possible. New breakers come with a standard 12-month warranty.

"If you think a breaker is the right tool to add versatility to your business or if you want to check out our new line, we encourage you to contact your local Komatsu distributor for more information or to set up a demonstration," Scarfia added. ■



Komatsu built in several features and benefits to protect the breaker, carrier and operator – including an accumulator that recycles high-pressure oil internally and reduces surges back to the carrier. This allows the creation of more energy with lower flow and reduces hydraulic pressure spikes. The breakers also have blank fire protection and automatic pressure regulation.

POWER. PERFORMANCE. PRODUCTIVITY.



Peterson
an Astec Industries Co.



MANY MODELS, ENDLESS APPLICATIONS

High volume wood waste recyclers know that when it comes to creating the highest volume products at the lowest cost per ton, Peterson horizontal grinders offer better fracturing, more accurate product sizing, and more throughput than any horizontal grinder on the market.

Since 1981, Peterson's attention to detail and drive to build the highest quality, highest volume producing machines make a Peterson a sure investment.

Want to see what a Peterson Horizontal Grinder can do?



Blower Trucks



Chippers



Grinders



Screens



Stacking Conveyors

Available through Modern Machinery

PETERSON an Astec Industries Company

PO Box 40490 • Eugene, OR 97404 • Tel 800.269.6520 Fax 541.689.0804 • www.petersoncorp.com





United. Inspired.

The whole range

**For everything a driller needs, rely on
Modern Machinery and Epiroc.**

Surface crawlers | Rotary blasthole
Automation | Fuel efficiency

Eugene, OR
Portland, OR
Missoula, MT
Columbia Falls, MT
Billings, MT

(541) 688-7321
(971) 222-1710
(406) 523-1100
(406) 755-5540
(406) 252-2158

Seattle, WA
Spokane, WA
Rochester, WA
Spokane Machinery

(253) 872-3500
(509) 535-1654
(360) 273-4284
(509) 535-1576

Choosing the right tooth system for your excavators and loaders can increase production and safety

When choosing an excavator or wheel loader it's easy to focus on the big things such as horsepower, operating weight and bucket capacity. But, did you know that overlooking details such as choosing the right teeth for the application and material you are handling can have a major impact on productivity and efficiency?

"As with any important task, it's essential to have the right tool for the job," said Colin Chester, Product Manager, Mining with Hensley Industries. "Digging in clay is different than dealing with rocky situations or soft, sandy soils. You have to factor that into the equation."

Chester added that there are additional considerations that may affect both production and safety. "Simple and easy tooth changes equate to less downtime. Not having to hammer pins means less risk of injury. Our customers told us they valued those features along with high-quality manufacturing."

Chester said Hensley has listened to their customers and has developed an excellent solution - its Kprime™ Tooth System for excavators and wheel loaders that work in construction, mining, quarry, trenching and utility applications. Several styles of teeth are available that fit onto an adapter that's welded onto the bucket lip. Each tooth locks on with the turn of a pin.

Productivity, reliability, safety

"Productivity, reliability and safety enhancements are all built into the Kprime Tooth System's design," said Chester of the product that has replaced Hensley's Kmax Tooth System. "From a productivity standpoint, the Kprime Tooth System has 10% to 15% more usable wear material than its predecessor and improved penetration of up to 15%. To further extend life, Kprime Tooth System teeth are rotatable, and visible indicators on the wear cap and fastener let users know when those parts need to be changed."

To increase reliability, the Kprime Tooth System is 10% stronger than its predecessor for reduced breakage and adapter wear. It also has a tighter fit of the tooth to the adapter and an improved pin design that prevents unlocking after extended use, ensuring the holding pin remains locked throughout the life of the tooth.

For enhanced safety, locking and unlocking the tooth to and from the adapter is done with a simple quarter rotation of the locking pin using a metric socket. A push out ramp on the tooth helps dislodge the fastener when unlocking. An audible "clack" sound indicates when the tooth is locked on, eliminating guessing.

"This system is unique and was built from customer feedback," Chester emphasized. "We encourage anyone who wants to save time and have a safer tooth system on their bucket to use the Kprime Tooth System. Their Komatsu distributor representatives will help them choose the right teeth, assist them with putting the adapters on the bucket, and teach them how to use the simple locking and unlocking system." ■



The Kprime™ Tooth System has improved penetration of up to 15% compared to its predecessor. For enhanced safety, locking and unlocking the tooth to and from the adapter is done with a simple quarter rotation of the locking pin using a metric socket. An audible "clack" sound indicates when the tooth is locked on, eliminating guessing.





A FULL LINE OF EQUIPMENT & PRODUCT SUPPORT SOLUTIONS FOR ALL YOUR ROAD BUILDING NEEDS.

PAVERS | MTVS | COLD PLANERS | STABILIZERS
BROOMS | COMPETITIVE PARTS | GUARDIAN®

MODERN
MACHINERY

Idaho
Boise 800-221-5211
Jerome 800-221-5211
Pocatello 800-829-4450

Montana
Billings 800-735-2589
Columbia Falls 800-434-4190
Missoula 800-332-1617

Oregon
Eugene 800-826-9811
Portland 800-950-7779

Washington
Kent 800-669-2425
Rochester 800-304-4421
Spokane 800-541-0754

www.modernmachinery.com

ROADTEC
an Astec Industries Company

www.roadtec.com

Using the proper coolant at correct intervals helps ensure that your equipment delivers maximum performance

If you are looking to protect critical engine components and keep operating temperatures steady, you need the right engine coolant/antifreeze. While the word "antifreeze" implies protection from freezing, engine coolant is actually critical in all weather applications, because it transfers heat to prevent both freezing and overheating.

Choosing a coolant specifically designed to work with your machinery is your best option, as it's been tested and developed for those particular systems. Not using the correct type can potentially create issues because each coolant brand has a unique formulation.

"It comes down to how that coolant performs with the other components of the cooling system," said Alexis Crawford, Komatsu Parts Marketing Associate. "If the wrong coolant is used, you are introducing chemicals that may cause premature wear such as leaking seals, which can ultimately affect machine performance."

Each manufacturer has its own stated engine coolant life. Some claim that theirs will last the life of the machine. Crawford said that while this statement may be appealing, equipment users should be cautious about relying on it, as the protection will likely degrade over time. Coolant, like other fluids, should be monitored and replaced as part of your preventive maintenance schedule.

Komatsu distributors can provide oil and fluid wear analysis (KOWA) lab testing to show if there are metals or other minerals in the coolant that have leached in and may indicate a breakdown of internal components. Checking the coolant level daily can tell you if there is any evaporation due to a leak that needs to be addressed.

Product offering

Komatsu recommends using their genuine Supercoolant that is specifically designed to work across the entire product line. It offers two types: a 50/50 pre-mix product that is ready to use and a concentrate product that is mixed with distilled water. Its nitrite-free formula contains a blend of phosphate and organic acid technology (OAT) to help prevent corrosion and oxidation in modern engines.

Supercoolant exceeds all ASTM D3306 and JIS K2234 standards, and is available from your Komatsu distributor or can be ordered directly through My Komatsu.

"Komatsu Supercoolant should be replaced every 4,000 hours but could extend up to 6,000 hours for our 50/50 offering," said Crawford. "Your machine operation and maintenance manuals will tell you how much coolant (refill capacity) your machines need."

Coolant color – why does it matter?

You will notice that Supercoolant has a distinctive blue color. It is important to never mix different brands or colors of coolant as this can cause contamination and damage to the cooling system. If you are using Supercoolant for the first time, be sure to perform a system flush to avoid contamination. ■



Alexis Crawford,
Komatsu Parts
Marketing
Associate



The right engine coolant/antifreeze keeps operating temperatures steady. Coolant, like other fluids, should be monitored and replaced as part of your preventive maintenance schedule. It is recommended that you use a genuine product manufactured specifically for your machinery such as Komatsu Supercoolant.

Could a new extended warranty program help you better determine total cost of ownership over the life of large machinery?



Felipe Cueva,
Manager,
Genuine Care

Understanding total cost of ownership (TCO) over the lifetime of a machine helps you make highly informed decisions about which equipment to buy. Several factors go into calculating TCO. Some costs are fixed, such as the initial purchase price, while other costs – repair and maintenance, fuel and operators' hourly wages, for example – fluctuate.

Making the variable costs more predictable can help with budgeting and avoiding large, unplanned expenses. It also contributes to higher accuracy in estimating, bidding and determining operating expenses. One way to make costs predictable is by purchasing an extended warranty and extended periodic maintenance with fixed costs for maintenance and repairs.



Komatsu Care Plus III is designed for total cost of ownership for businesses such as quarries or mines that keep equipment for 30,000 hours before rebuilding it or taking it out of service. "Like the other Komatsu Care programs, it covers scheduled maintenance and repairs," said Felipe Cueva, Manager, Genuine Care. "Care Plus III is even more comprehensive because it includes the equipment's consumables or wear parts such as brakes, hoses, pins and bushings."

"Machinery comes with a standard warranty that covers any repairs for the first 12 months," said Felipe Cueva, Manager, Genuine Care for Komatsu. "Once the machine hits those marks, the expenses can be unpredictable and are all covered by you. Car manufacturers started offering extended warranties years ago, and equipment manufacturers have taken up the concept more recently. The advantage is that for a relatively nominal monthly charge, you have the peace of mind that when service or repairs are needed, you won't be hit with a potentially big bill."

Cueva noted that there have been options available for up to 10,000 hours of extended maintenance and repair coverages for some time. Some examples are Komatsu's recently introduced Komatsu Care Plus and Komatsu Care Plus II, as well as its Advantage Coverage. Soon it will offer Komatsu Care Plus III for larger machines, including wheel loaders, rigid-frame trucks and dozers.

"What's been missing is a program designed for those businesses such as quarries or mines that keep equipment for 30,000 hours before rebuilding it or taking it out of service," said Cueva. "Our new Komatsu Care III is a full, comprehensive maintenance and repair program for the first life of the machine. Like the other Komatsu Care programs, it covers scheduled maintenance and repairs. Care Plus III is even more comprehensive because it includes the equipment's consumables or wear parts such as brakes, hoses, pins and bushings."

Clearer profitability picture

Cueva added that Care Plus III's cost is based on utilization. Customers pay a per-hour rate, and Komatsu tracks the machine's hours through its telematics systems. Coverage extends across the country, and contracts are transferrable.

"This is really the first commercialized TCO from a manufacturer," said Cueva. "It makes your profitability clearer because there are no surprises. We encourage anyone who would like to better know their lifetime costs to contact their dealer about any of the Care Plus programs." ■



8530 ASPHALT PAVER

NEW!



LeeBoy

Trust LeeBoy. As Dependable as Your Day is Long.



Tack Tanks



Motor Graders



Brooms



Asphalt Distributors

MODERN MACHINERY

modernmachinery.com

Boise | Twin Falls
Billings | Columbia Falls | Missoula



leeboy.com

2022 Oregon Logging Conference slated for February at Lane County Convention Center in Eugene

You can begin planning for the 2022 Oregon Logging Conference (OLC), which is scheduled to be held February 24-26 at the Lane County Convention Center and Fairgrounds in Eugene, Ore. Registration information for the largest logging show west of the Mississippi will be posted to the OLC's website (www.oregonloggingconference.com) in September. Registered companies will receive two credits toward their professional logger certifications for attending the show.

Attendees can participate in hands-on training seminars and earn as many as 11 professional logger credits/8 SAF-CFE credits, view the latest logging technology and construction equipment on display, network and socialize with forestry professionals from around the world, and participate in the 12th Annual Log Loader Competition, which you can register for on their website. Show hours are scheduled for 8 a.m. to 5 p.m. on Thursday and Friday, and 9 a.m. to 2 p.m. on Saturday.

You can still earn credits for this year

This year's show was not held in person, but you can still earn Pro-Logger credits this year by watching pre-recorded OLC seminars and panel discussions through their website. A total of nine credits can be earned by watching all five sessions. Three credits will be forest practices. A \$25 registration fee allows you to watch all seminars/panel discussions.

Once registered, you will be sent a confirmation email that includes seminar topics and the video link to a private page on the OLC YouTube channel, as well as procedures for viewing. The email will also include a downloadable credit validation form and quiz materials, which must be completed after viewing each seminar/panel discussion and returned to the Associated Oregon Loggers or your state association. The videos will be available for viewing through June 30. ■

Next year's Oregon Logging Conference (OLC) is scheduled to be held February 24-26, 2022 at the Lane County Convention Center and Fairgrounds in Eugene, Ore. While this year's show was not held in person, you can still earn professional logging credits through the OLC's website (www.oregonloggingconference.com).





FALCON WINCH ASSIST



FALCON GRAPPLE CLAW

FFE
FALCON FORESTRY
EQUIPMENT

ZERO HARM LOGGING

Eliminate risk to your crew members through mechanizing your logging operation. The Falcon Forestry Winch Assist and Grapple Claw have been designed and tested through thousands of operational hours in wide ranging conditions – eliminate crew risk, maintain simplicity and increase productivity.

MODERN
MACHINERY

MODERNMACHINERY.COM
DCFORESTRYEQUIPMENT.COM

Modern Machinery are the exclusive Dealer for DC Equipment/
Falcon Forestry Equipment for the Pacific Northwest USA

We can rebuild and repair REALLY big machines.



We have an extra, extra, large repair bay at our Modern Machinery Rochester branch in Washington.

Keeping your equipment on the job and at peak performance is our goal. So get that elephant out of your parts yard and put it back to work.

We carry parts for all the major brands like Valmet®, Timbco®, Madill®, Timberpro®, Logmax®, Thunderbird®, Pacific Manufacturing®, Berger®, Skagit®, Washington® and more. We have a multimillion dollar parts inventory, with overnight shipping, factory-trained mechanics and field service 24-7.

So, if you're grappling with older equipment, call your Modern Machinery forestry equipment specialist. From minor repairs to complete rebuilds, we've got you covered.

Kent, WA
(800)669-2425

Rochester, WA
(800)304-4421

Spokane, WA
(800)541-0754

Boise, ID
(800)221-5211

Pocatello, ID
(800)829-4450

Billings, MT
(800)735-2589

Columbia Falls, MT
(800)434-4190

Missoula, MT
(800)332-1617

Eugene, OR
(800)826-9811

Portland, OR
(800)950-7779

MODERN
MACHINERY





www.modernmachinery.com



MODERN MACHINERY

Used Equipment Priced to Sell

(Prices subject to change without notice)

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
Dozers 					
KOMATSU D155AX-8	U-BLADE, MS RIPPER	100330	2019	1,250	POR
KOMATSU D85PX-18	S-BLADE, MS RIPPER	22110	2016	3,318	\$285,000
KOMATSU D65PX-18	STRAIGHT BLADE	90622	2017	2,497	\$235,000
KOMATSU D65PXi-18	PAT BLADE, 915 SYSTEM	92325	2020	1,277	POR
KOMATSU D61PXi-24	PAT BLADE, 915 SYSTEM	B60305	2017	2,660	\$219,000
KOMATSU D61PX-24	PAT BLADE, MS RIPPER	B60395	2018	3,183	\$192,400
KOMATSU D61EX-24	PAT BLADE, MS RIPPER, SWEEPS	B61080	2019	616	POR
KOMATSU D51PXi-24	PAT BLADE, MS RIPPER, 915 SYSTEM	10896	2020	594	POR
KOMATSU D39EXi-24	PAT BLADE, 915 SYSTEM	96142	2019	798	POR
DEERE 750K	PAT, MS RIPPER	289857	2016	4,082	\$125,000
Wheel Loaders 					
KOMATSU WA600-8	9.5 YD BUCKET, BRAKE COOLING	80279	2020	1,473	POR
KOMATSU WA500-8	8 YD BUCKET, AJSS	A96647	2019	3,995	POR
KOMATSU WA500-6	7.3 YD BUCKET, ECSS, STICK STEER	55023	2006	27,489	\$80,000
KOMATSU WA500-6	7.3 YD BUCKET, SCALE, AUTO LUBE	A92088	2007	25,508	\$42,500
KOMATSU WA475-10	5.8 YD BUCKET, AJSS	120254	2021	108	POR
KOMATSU WA380-8	QC	A75262	2020	1,139	POR
KOMATSU WA320-8	QC	85961	2019	2,058	POR
KOMATSU WA270-8	QC	A28449	2019	1,314	\$155,000
Compaction 					
HAMM HD14VO	54" ASPHALT ROLLER	H2310599	2019	2,905	POR
HAMM CA1400D	66" SINGLE DRUM	10000169JLA030617	2021	82	POR
DYNAPAC CA1500D	66" SINGLE DRUM	10000160LLA030284	2021	68	POR
HAMM CA2500D	84" SINGLE DRUM	10000167HLA030574	2021	40	POR
HAMM CA2500PD	84" SINGLE DRUM, PADFOOT	10000167HMA030771	2021	3	POR
DYNAPAC CA3500D	84" SINGLE DRUM	10000168ELA025787	2021	12	POR
DYNAPAC CA3500PD	84" SINGLE DRUM PAD FOOT	10000168EKA023682	2019	131	POR
DYNAPAC CC1200VI	47" ASPHALT ROLLER	10000397CLA026333	2021	242	POR
DYNAPAC CC1300	51" ASPHALT ROLLER	10000374HLA030106	2021	52	POR
Excavators / Backhoes 					
KOMATSU PC650LC-11	11' 6" ARM, COUNTERWEIGHT REMOVAL SYSTEM	65221	2013	3,758	\$400,000
KOMATSU PC490LC-11	13' ARM, QC, VGTF	A41218	2017	3,949	\$385,000
KOMATSU PC490LC-11	13' ARM, QC, 3RD MEMBER HYDRAULICS	85017	2015	4,374	\$342,500
KOMATSU PC390LC-11	10' ARM, QC, THUMB, +1 HYDRAULICS	A30483	2017	5,650	\$175,000
KOMATSU PC360LCi-11	13' ARM, QC, THUMB, UHF SYSTEM	A38234	2019	1,246	POR
KOMATSU PC360LC-11	13' ARM, QC, THUMB, 3RD MEMBER HYDRAULICS	90329	2017	2,491	\$380,000
KOMATSU PC360LC-11	13' ARM, QC	90262	2017	2,427	\$290,000
KOMATSU PC360LC-11	13' ARM, QC, 48" BUCKET, THUMB	90374	2017	2,995	\$290,000
KOMATSU PC290LC-11	10' 6" ARM, QC, BUCKET, +1 HYDRAULICS	A27705	2017	743	\$260,000
KOMATSU PC240LC-11	10' ARM, QC, THUMB COMBO HYDRAULICS	95252	2017	1,573	\$215,000
KOMATSU PC238USLC-11	9'6" ARM, QC, THUMB	5616	2018	1,876	\$225,000
KOMATSU PC210LCi-10	QC, UHF SYSTEM	452946	2016	5,496	\$140,000
KOMATSU PC210LCi-10	9' ARM, UHF SYSTEM	452977	2017	4,520	\$155,000
KOMATSU PC210LC-11	9' 7" ARM, QC, THUMB, +1 HYDRAULICS,	C80341	2018	1,622	\$214,000
KOMATSU PC138USLC-11	8' ARM, QC, 36" BUCKET, THUMB, A-HYDS, BLADE	50155	2016	2,430	\$155,000

Prices are subject to change.

Special Financing Packages a Contact your Local

MODERN
MACHINERY

Missoula
101 International Drive
Missoula, MT 59808
(800) 332-1617
(406) 523-1100

Billings
7850 S. Frontage Rd.
Billings, MT 59101
(800) 735-2589
(406) 252-2158

Columbia Falls
28 Arcadia Way
Columbia Falls, MT 59912
(800) 434-4190
(406) 755-5540

Spokane
4428 E. Trent Ave.
Spokane, WA 99212
(800) 541-0754
(509) 535-1654

Spokane Machinery
(A Modern Machinery Company)
4428 E. Trent Ave.
Spokane, WA 99212
(800) 541-0754
(509) 535-1576


Want to sell your equipment?

Consider our Modern Machinery CONSIGNMENT program.

- You decide the price
- We advertise for you
- We take the calls

For more information, talk to your salesman or call Chris Johnson at 800-332-1617.

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
Motor Graders 					
KOMATSU GD655-7	14' BLADE, MS RIPPER	65051	2020	266	POR
KOMATSU GD655-7	14' BLADE, MS RIPPER	65092	2021	16	POR

Off-Road Trucks 					
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	11339	2019	2,264	POR
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	10965	2018	2,785	POR
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	10966	2018	3,800	\$430,000
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	10865	2018	4,012	\$415,000
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	10900	2018	6,243	POR
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	10019	2015	3,357	\$250,000
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	10806	2019	3,499	\$280,000
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	10529	2017	4,452	\$295,000
KOMATSU HD325-7	35 TON RIGID FRAME TRUCK	7812	2013	14,795	\$175,000

Aggregate Equipment					
JCI K300+	TRANSCO REAR DISCHARGE PLANT	C171328	2017	1,111	POR
JCI K300/6203	JCI KODIAK CLOSE CIRCUIT PLANT	P192023	2020	525	POR
PIONEER 2650	JAW PLANT, 5020VGF, REVERSE	PC265041018	2018	N/A	\$420,000
PIONEER FT2650	PIONEER TRACK MOUNT JAW	419345	2020	1,038	POR
PIONEER GT125	PIONEER TRACK MOUNT JAW	419355	2020	300	POR
KPI-JCI FT200CC	JCI TRACK MOUNT CONE CRUSHER	T181180	2018	1,243	POR
KPI-JCI FT4250CC	TRACK MOUNT HORIZONTAL IMPACTOR	419347	2021	268	POR
KPI-JCI FT4250CC	TRACK MOUNT HORIZONTAL IMPACTOR	419309	2020	274	POR
KPI-JCI GT440	TRACK MOUNT HORIZONTAL IMPACTOR	417939	2018	942	POR
KPI-JCI 6203-32	PORTABLE SCREEN PLANT	1188674	2021	N/A	POR
SPOMAC 7203-38	PORTABLE SCREEN PLANT	S15SPT0110	2014	N/A	\$225,000
FAB TEC 7203-38	PORTABLE SCREEN PLANT	P720352718	2017	504	POR
JCI GT165	AMS TRACK MOUNT SCREEN PLANT	204822	2020	459	POR
JCI GT205S	AMS TRACK MOUNT SCREEN PLANT	184613	2018	1,399	POR
KPI 36"X100'	KPI SELF CONTAINED RADIAL STACKER	416295	2017	1,189	POR
KPI 36"X100'	KPI END FOLD RADIAL STACKER	419268	2020	1	POR
KPI 36"X150'	SUPER STACKING CONVEYOR, 4WD	419375	2020	2	POR
FAB TEC 42"X50'	CONVEYOR, W/ IMPACT BED	N/A	2017	N/A	POR

Forestry Equipment					
KOMATSU XT465L-5	BUNCHER, 24B/360 DEGREE	A90013	2020	374	\$564,000
KOMATSU XT465L-5	BUNCHER, 24B/360 DEGREE	A90002	2019	314	POR
KOMATSU XT445L-5	BUNCHER, BARE STICK	A80016	2019	2,300	\$400,000
TIMBCO T475D	BUNCHER, HOTSAW	CW4C2061061102	2002	10,000	POR
TIMBERPRO TL775D	BUNCHER, 27B/360 DEGREE	TL775D0727013020	2020	483	POR
TIMBERPRO TL775D	SHOVEL LOGGER, TC60 GRAPPLE	TL775D0771081220	2020	232	POR
KOMATSU PC290LC-11	WINCH ASSIST MACHINE	A27190	2016	4,513	POR

Miscellaneous					
ATLAS COPCO QAS95	SKID MOUNTED GEN SET	HOP103348	2018	N/A	POR
ATLAS COPCO ROC D3-01	DRILL	AVO11A1522	2011	5,068	\$132,500
ATLAS COPCO ROC D7-11	DRILL 2.5"-4.5"	AVO05A562	2005	8,000	\$146,250
ATLAS COPCO ROC F9-11	DRILL	AVO05A513T	2005	6,000	\$166,250
ROADTEC RX600E-3	86" MILLING MACHINE	4039	2016	2,192	\$285,000

**re available for some Models.
Branch For Details.**

KOMATSU

Seattle
22431 83rd Ave. S.
Kent, WA 98032
(800) 669-2425
(253) 872-3500

Rochester
19444 Ivan St. S.W.
Rochester, WA 98579
(800) 304-4421
(360) 273-4284

Eugene
4610 Cloudburst Way
Eugene, OR 97402
(800) 826-9811
(541) 688-7321

Portland
5241 N.E. 82nd Ave.
Portland, OR 97220
(800) 950-7779
(971) 222-1710

Pocatello
2666 Garrett Way
Pocatello, ID 83201
(800) 829-4450
(208) 233-5345

Boise
1257 West Amity
Boise, ID 83705
(800) 221-5211
(208) 336-8570

Twin Falls
2735 Tucker Ct., Suite C
Jerome, ID 83338
(208) 324-4522
Fax: (208) 324-8034

Serving you from the following locations:

Products

MODERN MACHINERY

www.modernmachinery.com

Support

WASHINGTON

Seattle, WA
(800) 669-2425
(253) 872-3500

Rochester, WA
(800) 304-4421
(360) 273-4284

Portland, OR
(800) 950-7779
(971) 222-1710

Eugene, OR
(800) 826-9811
(541) 688-7321

Spokane, WA
(800) 541-0754
(509) 535-1654

Spokane Machinery
(800) 541-0754
(509) 535-1576

Boise, ID
(800) 221-5211
(208) 336-8570

Twin Falls, ID
(208) 324-4522

Columbia Falls, MT
(800) 434-4190
(406) 755-5540

Missoula, MT
(800) 332-1617
(406) 523-1100

Billings, MT
(800) 735-2589
(406) 252-2158

MONTANA

Pocatello, ID
(800) 829-4450
(208) 233-5345

IDAHO

WYOMING

KOMATSU

