

# ROAD TO SUCCESS

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A PUBLICATION FOR AND ABOUT ROAD MACHINERY LLC CUSTOMERS

Featured in this issue:

## COPPER CREEK PIPELINES & EXCAVATION, LLC

Tackling tough projects helps Surprise, Ariz., company grow into full-service site-prep contractor

See article inside...



President Mike Sanders (left) and Vice President Keith Smith



Featured in this issue:

## DICAPERL MINERALS

New Mexico perlite mine harvests volcanic materials for wide range of uses

See article inside...



Allen Norris, Plant Manager

**KOMATSU**

# A MESSAGE FROM THE PRESIDENT



Dennis G. Romanson



Dear Equipment User:

The economic stimulus package that the President signed into law can have a significant impact on your business this year. The law states that companies buying new equipment in 2008 can depreciate an additional 50 percent of the cost in this year. If you elect to use it, the bonus depreciation can lower your 2008 tax bill. There are other benefits of the stimulus package, and you can get more detailed information in the Guest Opinion article in this issue of *Road to Success*.

You may want to consider using the bonus depreciation on purchases of new Komatsu equipment that offers benefits such as lower owning and operating costs. In the past several years, Komatsu has made tremendous improvements across its extensive machinery line, including the addition of ecot3 engines designed to meet Tier 3 standards for reduced emissions. Komatsu not only made reduced emissions standards a priority, but in the process, made its equipment more productive with better fuel economy.

It's that kind of commitment that makes us proud to represent Komatsu utility, construction and mining machines at Road Machinery LLC. Komatsu machines are among the most technologically advanced in the industry, and many include Komatsu's KOMTRAX remote equipment-monitoring and management system that helps you track your machine's performance and service schedules. If an error code appears, Komatsu alerts RML and you right away so the issue can be diagnosed and fixed quickly. It also alerts you to upcoming routine service in advance, allowing you to schedule it at a convenient time. Komatsu was the first manufacturer to install such a monitoring and management tool as standard equipment.

Of course, we believe that service is important in keeping your machine running at maximum productivity throughout its entire life. That's why we make it a priority to have trained technicians who can service your Komatsu and competitive brands of equipment quickly and efficiently with little downtime. If you choose to do the work yourself, rest assured we have nearly every part you need on hand, and if we don't, in most cases we can have it the next morning.

At RML, we stand ready to make your owning and operating costs as minimal as possible, and we'll be happy to work with you in any way we can to make that happen.

Sincerely,  
ROAD MACHINERY LLC

Dennis G. Romanson  
President



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# ROAD To SUCCESS

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### DICAPERL MINERALS

Learn how this leading producer of perlite harvests the volcanic material for a variety of uses.

### COPPER CREEK PIPELINES & EXCAVATION, LLC

See why tackling tough projects has helped this Surprise, Ariz., company grow into a full-service site-prep contractor.

### GUEST OPINION

Here's good news about a new depreciation bonus that can help you lower your tax bill this year. AED VP of Government Affairs Christian A. Klein explains how you can benefit.

### INDUSTRY OUTLOOK

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### MORE PRODUCT NEWS

Find out how Komatsu's new PZ tool carriers with parallel Z-Bar linkage help users keep loads on the level.

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# KOMATSU

## A SALUTE TO A CUSTOMER

# DICAPERL MINERALS

## New Mexico perlite mine harvests volcanic materials for wide range of uses



Allen Norris,  
Plant Manager

For several million years, the earth beneath Socorro, N.M., has undergone extensive geologic changes, including volcanic eruptions that resulted in the formation of valuable materials with a wide range of uses. Among them is perlite, a hydrated, glassy, volcanic rock that counts among its properties expandability.

When heated, the rock expands in a similar fashion as popcorn. The result is a lightweight product that's used in the horticulture, construction, pharmaceutical and agricultural industries. Getting it to those markets takes mining efforts similar to the aggregate and coal industries, and for three decades Dicaparl Minerals has been among the leaders in production from its Socorro Plant.

Dicaparl Minerals Socorro Plant is located in Socorro, N.M., on 600 acres. The mine harvests and processes perlite, which is used in the construction industry in acoustical tiles, insulation boards, plasters and aggregates, among other uses.

"It's a fantastic product that very few people know about, but it's part of their everyday lives," said Plant Manager Allen Norris.

"It's used in the construction industry in acoustical tiles, insulation boards, plasters and aggregates, and has a natural flame retardant. It's used as a filter aid in pharmaceuticals and wastewater treatment. It's also a soil additive that helps provide a good root base. Those uses are just the tip of the iceberg."

That's why perlite has been mined in the U.S. since the 1940s. The forerunners to Dicaparl began mining the Socorro site during that decade and eventually shut down in 1961 due to market conditions. Fourteen years later, it was started up again and continues with five-day-a-week, round-the-clock production today. Nearly 40 people work the Dicaparl site in three eight-hour shifts per day.

"We're making about a dozen products, so we have to do that to meet demand," Norris noted. "Our products go all over North America with about 95 percent of it going out by rail directly from here."

### HM400 improves haul

The process of getting the perlite to the railcar has changed through the years. In the early days, the material was close enough to the plant to doze it directly into the crusher. As the distance from the material to the crusher grew farther apart, new equipment was needed. Eventually Dicaparl went to scrapers, but more recently began using a loader and a 40-ton Komatsu HM400 articulated dump truck to load and haul the material to be processed.

Dicaparl, which purchased the HM400 from Road Machinery LLC's Albuquerque branch with the help of Account Manager Robert





Using a Komatsu HM400 articulated dump truck, Driver Joe Lopez brings a load of perlite to the crusher at the Dicaperl Minerals Socorro Plant in Socorro, N.M. "It really has good climbing ability, horsepower and maneuverability," said Lopez.

Carrillo, also uses the truck during overburden removal to haul those materials to other areas of the mine that are being reclaimed.

"Because the distance to the crusher keeps growing, we have to be aware of the cost of moving the material. Using the loader and HM400 is economically our best option," said Norris. "It helped us speed up the process by allowing us to haul material faster and at a lower cost per ton. That's also helped because it has fewer parts than a scraper, so it's easier to maintain.

"The added benefit is that, for its size, the truck maneuvers very well," he added. "It doesn't take much to turn it around in a small area, which is an advantage for us because it doesn't slow our production down. The drivers really like it."

Dicaperl handles maintenance on the truck with occasional help from Road Machinery as needed. "Road Machinery worked very closely with us to match the truck to our needs," Norris said. "They've been very responsive to us and we've developed a good working relationship with Robert and Road Machinery."

## Long-term outlook is good

That's something that can be said about Dicaperl and the Socorro area as well. Dicaperl is owned by Raymond Perlman and his wife, Ruthie, as a not-for-profit organization with proceeds going to help out various organizations, such as the Boys and Girls Clubs of America and others in the Socorro area.

"That's something we're all very proud to be a part of," said Norris. "It's nice to say we're giving back to the community. We hope it's something that will continue well into the future because we have quite a number of years of reserves left."

Norris noted that the 600-plus-acre Socorro site has the distinct advantage of having some of the most desirable perlite on the planet.

"What sets us apart is that ours is one of the whitest once it's expanded," he explained. "That minimizes colors bleeding into products to which the perlite is added. It's also more resilient to crushing. That bodes well for us in the long term." ■



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## A SALUTE TO A CUSTOMER

# COPPER CREEK PIPELINES & EXCAVATION, LLC

## Tackling tough projects helps Surprise, Ariz., company grow into full-service site-prep contractor



Mike Sanders,  
President



Keith Smith,  
Vice President

Taking the jobs that other contractors shy away from has put Copper Creek Pipelines & Excavation at the forefront of the underground utility installation market in the Phoenix metro area. The Surprise, Ariz.-based company's specialty is working in less-than-ideal conditions where expertise is essential to success.

"There's a high level of risk involved with doing those types of projects," stated Copper Creek President Mike Sanders, who founded the company about six years ago. "We're often called to do deep installations, or work in situations where the ground conditions aren't good. We'll also tackle the jobs where there are existing utilities in play or traffic's an issue. It takes a special talent to work those types of jobs safely without doing damage, and that's why many other contractors don't want to do it."

Copper Creek Pipelines & Excavation's expertise was apparent right from the start. Its first job involved running 1,400 feet of dry utilities for a school in Maricopa. Sanders said the site was dotted with existing utilities for which his crew of four had to constantly be aware.

"It was a nightmare actually," he recalled. "It seemed like we were constantly working around an old line. It took a lot of time and patience, but we were able to get it done safely without hitting anything. Looking back, it seems like a miracle that we didn't damage the existing lines, but with careful planning we were able to get the job done."

The word got out quickly that Copper Creek was the company to call if you wanted those types of projects done on time and budget. As the company began building off that first job, Sanders knew he needed help to keep up with

the work load. Running a newspaper ad for employees paid off tremendously as it brought in Keith Smith, who after a year of working for Copper Creek, partnered up with Sanders and became Vice President of the company.

"It's kind of surprising that Keith is now my business partner because when he came in to talk to me about a job, he told me he was only going to be here about two weeks," said Sanders, who works the office while Smith handles the field. "He had plans to start his own company, but he stayed on and the partnership has worked well."

With the addition of Smith and other key employees, such as Chief Estimator Don Nahrgang, Estimator Mac Moss, Foremen Duane and Joe Brossman, Mechanic Kevin Stubiaski, Office Assistant Tanya Smith and Office Manager Amy Crawford, Copper Creek has grown into an 33-member team that's split into two crews that mainly work in the commercial-building market. The company also works as a subcontractor on municipal and state projects and with private developers on residential subdivisions.

"We like to think of ourselves as a very family-oriented company that looks out for its employees," said Sanders. "In return, they do a tremendous job for us by giving 110 percent at all times. They're definitely our No. 1 asset."

### **Komatsu machinery is top choice**

On all Copper Creek projects, the crews' predominant machines are Komatsu PC400LC-7, PC308USLC-3 or PC220LC excavators. Copper Creek works with Road Machinery on all its Komatsu equipment purchases, as well as its compaction equipment.



Copper Creek's largest excavator is this PC400LC-7, used to dig on a jobsite near Phoenix. In addition to excavators, the company also uses Komatsu backhoe loaders and a wheel loader.

"Komatsu excavators are our bread-and-butter machines," said Smith. "It's important for our production that our machinery is fast and efficient, and that's been the case with Komatsu. We use the PC220 and PC308 for shallower digs. The PC308 is tremendous for working in tight spots or where there's traffic because we don't have to worry about the counterweight hitting something. The PC400s allow us to dig deeper without losing power. They're also useful for mass excavation, which we're doing more of, as well as loading trucks."

The WA320-6 wheel loaders handle backfilling trenches and moving pipe, and for smaller digs, Copper Creek turns to its WB146 and WB140 backhoe loaders. "The loaders give us versatility," Smith noted. "With quick couplers we can easily switch from buckets to forks and back. That speeds up our production. We're also very pleased with the fuel economy. When we were looking at wheel loaders to buy, we put Komatsu up against a competitive brand, and Komatsu won hands down. Fuel economy, coupled with versatility, gives us great value."

For extra service help or repairs, Copper Creek turns to Road Machinery's Phoenix branch. "When I first started the company, I rented everything, including competitive brands, but when it came time for us to start buying equipment, Komatsu was our only choice," said Sanders. "It's quality, reliable equipment. But just as important was the service we got from Road Machinery. They worked to get us financing so we could obtain the equipment. Service after the sale has been tremendous too. Anytime we need something, we pick up the phone and they respond right away. That puts Komatsu at the top of our list for future equipment purchases as well."

### **Moving toward full site-preparation packages**

Copper Creek continues to tackle the tough jobs, including playing a role in several



Copper Creek's predominant machines are Komatsu excavators. "It's important for our production that our machinery is fast and efficient, and that's been the case with Komatsu," said Vice President Keith Smith.



(L-R) Members of the Copper Creek Pipelines & Excavation team include Transport Driver Travis Young, Vice President Keith Smith, Office Assistant Tanya Smith, President Mike Sanders, Estimator Mac Moss and Chief Estimator Don Nahrgang.

high-profile projects in the Phoenix area. It's installing storm and water lines as part of the new light-rail system that will run between Phoenix and Tempe. Copper Creek installed underground lines on the Arizona Department of Transportation's highway work when the University of Phoenix Stadium (home to the NFL's Arizona Cardinals) was constructed in Glendale.

Jobs like those are helping Copper Creek grow. Sanders and Smith are working to expand the business beyond the 70-mile radius they now cover, and branch out into other excavation-related services.

"We're not just a pipeline installer anymore," Sanders said. "Our goal is to become a full-service, site-preparation contractor that can do everything from clearing and mass excavation to final grading. Of course, the package will always include underground utility work. We're getting closer and closer to meeting that goal. We've really just scratched the surface of where we want to be." ■



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## GUEST OPINION

# DEPRECIATION BONUS

## Congress and the President have prescribed powerful medicine to stimulate the U.S. economy

On February 13, President Bush signed the Economic Stimulus Act (ESA). In addition to providing tax rebate checks to middle-income families and making it easier to refinance mortgages, the ESA temporarily reinstates the depreciation bonus and increases Sec. 179 expensing limits. The goal: encourage business purchasing.

Under the new law, companies that buy equipment (and other eligible property) in 2008 can depreciate an additional 50 percent of the cost in the year. To be eligible for bonus depreciation, the equipment must be new and placed in service before January 1, 2009. The depreciation bonus is elective (you do not have to use it) and applies for both regular and alternative minimum tax purposes.

The ESA also significantly boosts Sec. 179 expensing limits for 2008. Companies can now expense up to \$250,000 as long as total purchasing does not exceed \$800,000. For each dollar over, the eligible expensing amount correspondingly drops by one dollar. Companies that spend more than \$1,050,000 on tangible personal property cannot take advantage of Sec. 179 (but can still use the depreciation bonus). Unlike the depreciation bonus, Sec. 179 expensing can be applied to both new and used equipment. Companies eligible for Sec. 179 can also combine it with the depreciation bonus for even bigger tax savings.

### Trimming this year's tax bill

By lowering your taxable income, the depreciation bonus and Sec. 179 can dramatically cut your 2008 tax bill, thereby freeing up cash in the near term. But there is a catch: The more you depreciate now, the

less you will be able to depreciate later. In other words, your tax bill in future years will be slightly higher because you have less to deduct.

If history is any guide, the temporary capital investment incentives will boost equipment purchasing in the months ahead as savvy companies take advantage of the law to buy newer, more efficient, and more environmentally friendly equipment. Check with your tax professional to learn about making Sec. 179 and the depreciation bonus work for you. ■

*Christian A. Klein is Vice President of Government Affairs and Washington counsel for the Associated Equipment Distributors. More information about the new capital investment incentives is available at <http://www.depreciationbonus.org>. This article is provided for informational purposes only and is not tax or legal advice.*



Christian A. Klein

**The Economic Stimulus Act provides for temporary bonus depreciation on new equipment purchases in 2008, helping trim tax bills in the short term.**



## INDUSTRY OUTLOOK

# CONEXPO IN FOCUS

## Huge crowds see latest innovations in construction equipment at record-setting event

Three years ago, CONEXPO-CON/AGG was the largest show in its history, but that record fell by the wayside this year as the triennial event ended its 2008 run with more than 2 million square feet of exhibit space that was seen by crowds topping 144,000.

Attendees easily navigated their way through some 2,000 indoor and outdoor exhibits from leading manufacturers, such as Komatsu, which were grouped together by category. This year's show surpassed its 2005 predecessor by 21 percent in terms of size and number of exhibits.

As in the past, Komatsu had one of the largest equipment displays at the show at the Las Vegas Convention Center, which ended its run March 15. Komatsu displayed 24 products from its construction and utility lines, including excavators, wheel loaders and parallel tool carriers, dozers, skid steer

and compact track loaders, backhoe loaders, articulated and rigid-frame haul trucks, plus a mobile crusher and a motor grader. Sizes ranged from the 1,900-pound-plus PC09 excavator to the massive WA800 wheel loader.

Komatsu introduced new products such as the D39EX-22 dozer — a D39PX-22 model is also available — and the PC35MR-3 and PC45MR-3 compact excavators. To highlight how products could be paired for maximum efficiency, Komatsu placed a PC400LC-8 excavator with an HM300-2 articulated truck for moving massive amounts of material quickly and efficiently. A D65 dozer from Komatsu's ReMarketing program (see related article) showed how the program takes used equipment and updates it with new components and paint as needed. The "half-and-half" machine drew large numbers of people interested in how Distributor Certified used machines could benefit their business.

Komatsu displayed more than 20 machines ranging from the PC09 excavator to the WA800 wheel loader at one of CONEXPO's largest displays.



### **Komatsu sponsors team in first Construction Challenge**

Komatsu sponsored a high school team in the first Association of Equipment Manufacturers (AEM) Construction Challenge. It's part of AEM's ongoing effort to attract young people into the construction industry in professions such as manufacturing and in-the-field careers. The seven-member Komatsu-sponsored team was from North Springs Charter School in Atlanta, Ga. They were one of 50 teams competing at CONEXPO after qualifying during regional rallies and competitions held across the country earlier this year involving 146 teams.

The Challenge finals included an Infrastructure Dialog segment on



Attendees got a good look at how Komatsu's KOMTRAX remote machine-monitoring system works by standing on an interactive pod that activated a display screen of information (above). They could further see how the system works by viewing machines being monitored via computer in real time (below).



Komatsu personnel were on hand to answer attendees' questions about Komatsu equipment.

infrastructure awareness, especially roads/ highways and water/sewer; an Equipment & Careers segment that required the team to develop an interactive educational resource or product; and a Road Warrior segment that required building and using construction equipment.

*Continued . . .*



Komatsu introduced new products including the D39EX-22 dozer, which features better visibility and a Tier 3 engine for maximum production with less fuel usage and lower emissions.



Komatsu's Construction Challenge team answers questions during the Infrastructure Dialog portion of the competition, which also included Equipment & Careers and Road Warrior segments. The high school group was from North Springs Charter School in Atlanta, Ga.



Visitors to Komatsu's display could compete against other drivers in a simulated driving contest.

# Komatsu had major presence at CONEXPO

... continued

## Education, technology a hit

Attendees also showed up in record numbers to take advantage of the numerous educational opportunities offered at CONEXPO. One hundred and thirty seminars, the most ever, were available in several categories, including Aggregates, Asphalt, Concrete, Construction Project Management,

Equipment Maintenance Management, Environmental, Management and Personnel Development. Those not able to attend a seminar could still catch it through technology such as LiveCasts and podcasts.

An Information Technology Pavilion displayed the latest construction-related computer software, hardware and peripherals, as well as telecommunications equipment. Manufacturers displayed the latest technological advances in equipment — such as Komatsu's KOMTRAX remote machine-monitoring system — which helps owners and operators improve their productivity through production and maintenance tracking. Komatsu's interactive display allowed attendees to stand on a circular pod linked to a video screen that showed the advantages of KOMTRAX.

Contractors and material producers interested in doing business beyond U.S. borders, could get valuable information from the International Forum. A record number of 10 international exhibits were on display, including ones from Brazil, China, Finland, Germany, Italy, Korea, Spain and Turkey.

A new feature this year was the Safety Zone of exhibits and demonstrations, including ones from OSHA and MSHA.

## Back to Vegas in three years

CONEXPO-CON/AGG gave those in attendance a chance to network with people like themselves from the U.S. and other countries. They could discuss topics of mutual interest and talk about ways to apply the information learned to their own businesses.

The 105 supporting organizations that helped put on CONEXPO-CON/AGG included the Association of Equipment Manufacturers (AEM); National Ready Mix Concrete Association; National Stone, Sand & Gravel Association; Associated General Contractors (AGC) and many other industry groups, including some from foreign countries.

CONEXPO-CON/AGG will return to the Las Vegas Convention Center March 22-26, 2011. ■

## MinExpo returns to Las Vegas in September



MinExpo will be held Sept. 22-24 at the Las Vegas Convention Center.

Komatsu will be among more than 1,000 exhibitors displaying the latest in mining equipment, technology, parts and service, as well as other items, at MinExpo, Sept. 22-24 at the Las Vegas Convention Center.

The largest show of its kind, MinExpo features more than a half-million square feet of exhibit space with everything from massive mining machines to hand tools used to keep them running; the latest in automation and robotics; safety and communication equipment; engines and parts; material-handling and processing equipment and services; pollution-control equipment; reclamation equipment and services; computer applications and more.

The Komatsu booth will be twice as large as it was last time, filled with exciting new products, proven products with enhancements and technology displays. Modular Mining Systems, Inc. will be part of the Komatsu booth this year.

Twenty educational sessions will be offered on Sept. 23 and 24 as part of MinExpo's conference program. Sessions will cover topics such as underground and surface mining, safety, processing, bulk material handling, environmental issues, exploration and new mine development. Attendees can earn professional development credits.

## NEW PRODUCTS

# “ADDED VALUE” EXCAVATORS

## Komatsu’s Dash-8 mid-size excavators have an extensive list of features to make you more productive

When a manufacturer introduces a new series of excavators, you expect to find a new feature or two when compared to previous machines. With Komatsu’s new Dash-8 models of its popular PC300LC, PC300HD and PC400LC excavators, the list of new features is extensive, including the ability to get more done at a lower cost.

All three feature fuel-efficient, ecot3, Tier 3 engines. Those engines have high-pressure, common-rail fuel-injection systems designed to provide more productivity with less fuel and lower emissions. Each engine received a boost in horsepower and operating weight compared to its predecessor.

“It all adds up to a lower cost per yard to move dirt,” said Doug Morris, Komatsu Product Marketing Manager. “Komatsu designed these machines to provide the user more for his money. Better fuel economy and improved performance are just a few of the significant upgrades that help lower the cost per yard for any contractor who has dirt to move. Whether they’re into heavy highway work, commercial construction, underground utilities or all of the above, the PC300LC-8, PC300HD-8 and PC400LC-8 will help their bottom line.”

Morris notes that one simple way to help maintain a healthy bottom line is to track machine performance and maintenance schedules. Komatsu makes it easy to do with its KOMTRAX machine-monitoring system that’s standard on all new excavators and is free for five years. The KOMTRAX system sends operating information — such as machine utilization, fuel consumption and load factors, in addition to operating hours,

location, cautions and maintenance alerts — to a secure Web site via wireless technology.

“KOMTRAX increases machine availability, reduces the risk of theft, allows for remote diagnosis by the user’s Komatsu distributor and provides operational information that’s helpful in efficiency and productivity,” Morris explained. “It’s an excellent fleet-management tool.”

In conjunction with KOMTRAX, all three machines have Komatsu’s exclusive Equipment Management Monitoring System (EMMS). It performs three main functions and displays them on the monitor: all critical excavator systems, alerting and guiding



Doug Morris,  
Komatsu Product  
Marketing Manager

Continued . . .

### Brief Specs on Komatsu PC300LC-8 and PC400LC-8

Model	Net hp	Operating Weight	Bucket Capacity
PC300LC-8	246 hp	77,093-79,152 lbs.	0.89-2.56 cu. yd.
PC300HD-8	246 hp	85,085-88,551 lbs.	0.89-2.56 cu. yd.
PC400LC-8	345 hp	97,148-103,834 lbs.	1.47-3.74 cu. yd.

Komatsu’s new Dash-8 PC300LC, PC300HD and PC400LC offer more productivity with less fuel consumption for a lower per-yard cost.



# Dash-8 mid-size excavators offer several advantages

... continued

the operator should an abnormality occur; preventive maintenance schedule; and error codes and troubleshooting assistance to help mechanics minimize downtime.

## Five working modes match specific applications

Operators can keep track of machine performance with the large multicolor monitor that displays data in 10 languages. The monitor also displays the automatic air conditioner, machine maintenance tracking and the image from the standard, counterweight-mounted rearview camera. Using the monitor, the operator can also select the best operating mode for the most efficient use of the PC300LC-8, PC300HD-8 or PC400LC-8. Five modes — Power, Economy, Lifting, Breaker and Attachment — are available.

“Each mode is designed to match engine speed, pump flow and system pressure with the application, giving the operator the ability to match equipment performance with the job at hand,” described Morris. “For example, the Power mode provides maximum production and power for faster cycle times during mass excavation. Breaker mode delivers one-way flow to the breaker, while Attachment mode will run two ways when using shears and thumbs. It’s easy to select the right mode or adjust flow rates when operating attachments. Whatever mode is selected, the machine will deliver the right amount of hydraulic pressure to get the job done.”

Komatsu’s five working modes allow operators to easily match the machine with the applications they’re performing, making it more efficient.

The monitor is located inside a more spacious cab that has a high-back operator seat for excellent support and comfort to reduce fatigue, so operators stay more productive longer. Multiposition, pressure-proportional control levers and armrests integrated with the console levers allow the operator to work comfortably while maintaining precise control.

The highly pressurized cab keeps dust from entering, while its rigid frame offers visibility and excellent sound absorption. A new cab damper mounting reduces noise and vibration levels.

“We kept the operator in mind when we designed the cabs for the PC300LC-8, PC300HD-8 and PC400LC-8,” Morris noted. “We sought input from them about what would make their environment more conducive to productivity. Extensive studies show that an operator who is more comfortable will be more productive.”

## Designed to reduce downtime

Being more productive also means reducing downtime, and Komatsu’s PC300LC-8, PC300HD-8 and PC400LC-8 do that in a variety of ways. Komatsu exclusively designed all major components, such as engine, hydraulic pumps, motors and control valves, for long-term durability and reliability. It’s the same with booms and arms, which are highly resistant to bending and torsional stress, thanks to thick, high-tensile-strength steel, interior partition walls and large, one-piece castings. In addition, Komatsu-designed electronic components, such as controllers, connectors, sensors and wiring, have undergone extensive testing to ensure reliability in the harshest conditions.

Komatsu made maintaining and servicing simpler with easy access to the radiator and hydraulic oil cooler, which are mounted side by side.

“Komatsu set out to design a machine that had all the advantages an owner and user need: speed, power, fuel efficiency, lower emissions and reduced downtime,” said Morris. “We believe we achieved just that.” ■





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## MORE PRODUCT NEWS

# NEW PZ TOOL CARRIERS

## Parallel Z-Bar linkage helps users keep loads on the level

Komatsu’s new parallel tool carriers have all the latest features of its new Dash-6 wheel loaders — plus the added advantage of a Z-Bar linkage that offers parallel movements in both fork and bucket applications. Two models, WA200PZ-6 and WA250PZ-6, are available and replace previous PT machines.

“The parallel Z-Bar linkage gives these wheel loaders both parallel lift and good digging ability,” said Mike Gidaspow, Product Marketing Manager Wheel Loaders. “It allows the bucket and forks to stay more level than regular wheel loaders, so operators don’t have to continually adjust to keep the load from tipping forward. They are great for a variety of applications, including utility work and warehouses, where users want to keep a load even throughout the entire cycle.

“Users will also appreciate the PZ models for their excellent visibility throughout the cycle,” he added. “For example, when using forks, the operator can see the end of the tines at all times. That makes it easier for him to see the load he’s picking up, and helps him avoid bumping into objects. Added advantages of the parallel Z-Bar linkage include large tilt force at all heights, large dump angle at maximum boom height and a two-mode bucket leveler.”

### Similar advantages to Dash-6 wheel loaders

Both machines got a boost in horsepower compared to their predecessors and, like their Dash-6 wheel loader counterparts, are powered by high-torque, ecot3, Tier 3 engines that offer high performance with less fuel consumption and lower emissions. Electronically controlled hydrostatic transmissions provide quick travel response and aggressive drive into the pile. An

inching pedal gives the operator simultaneous control of travel and equipment hydraulic speeds. The new variable traction control system with S-Mode allows the operator to adjust the tractive effort to the job conditions and reduce tire slippage.

“As with many of our new products, the PZ machines come standard with the KOMTRAX monitoring system that can be used to track machine location, error codes and other items that help owners and operators better track maintenance,” said Gidaspow. “Users will find these machines among the most highly productive and efficient they’ve ever used.” ■



**Mike Gidaspow,**  
Product Marketing  
Manager Wheel  
Loaders

#### Brief Specs on Komatsu PZ Parallel Tool Carriers

Model	Net hp	Operating Weight	Bucket Capacity	Breakout Force
WA200PZ-6	126 hp	25,275-25,420 lbs.	2.5-2.75 cu.yd.	18,990-20,210 lbs.
WA250PZ-6	138 hp	26,808-27,778 lbs.	2.5-3.0 cu. yd.	24,250-26,490 lbs.



Komatsu’s new PZ tool carriers feature parallel Z-Bar linkage that keeps loads level. They also offer excellent visibility so operators can see the end of the tines when using forks.



## UTILITY NEWS

# COMPACT EXCAVATORS

## The tale of the short tail

The terms short tail swing and zero tail swing are the current industry buzzwords related to compact excavators sold in North America.

Recently, a survey of 200 compact excavator owners yielded some interesting trends, with 93 percent saying that short tail swing was a jobsite benefit and 83 percent noting that they would purchase a short-tail-swing machine again. That's a powerful statement of where customer preference is headed, or should we say, has already gone?

Owners in the survey also rated short-tail machines as better than conventional machines in the areas of machine balance, stability, pushing power with the blade, stability on slopes and most importantly, the ability to work in tight spaces.

Komatsu's tight-tail-swing design gets into tight spaces, and has greater stability and lift capacity in response to customers' recommendations.

But, can these machines, with little or no tail overhang, perform like their conventional-tail-swing counterparts? That depends.

Komatsu Utility moved exclusively to short-tail-swing units with the introduction of its MR-2 series of machines in 2003. As Komatsu developed these machines, it recognized that owners in North America wanted greater stability and lift capacity in addition to the obvious benefit of tight-quarters work.

To address this customer desire, every Komatsu excavator is designed with extra counterweight in the tail section that enhances stability and machine balance. Not all manufacturers have addressed this performance area, so it is imperative to look deeply and demonstrate before purchasing a short-tail unit.

### What else to look for

Other items to evaluate during the purchase decision process are a large, comfortable operator station with great visibility; a machine undercarriage that's designed like a large excavator; choice of track systems (Komatsu offers its Road-Liner track, unique in the industry and designed for longer life on hard surfaces); low maintenance requirements; and easy-to-reach daily checks and maintenance points. Also be sure your dealer can offer a good selection of machine-matched buckets, a thumb and quick coupler. And, for the maximum in versatility, consider the option of a power-angle blade and what it can do for your operation. This feature is optional on Komatsu PC35, PC45 and PC50 excavators.

In summary, short-tail-swing machines are here to stay, and owners appreciate their ability to work productively in tight quarters. However, not all short-tail machines exhibit the same performance characteristics, so try before you buy. When you do, you'll see what a difference owning a Komatsu can make. ■





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## KOMATSU & YOU

# COMMITTED TO EXCELLENCE

## Komatsu America Chairman/CEO outlines technology, product support goals to benefit customers

**QUESTION:** Construction is down somewhat from its record highs of the past few years. What is your outlook for the coming year?

**ANSWER:** The housing market has brought the construction industry down as a whole, and we believe housing will likely be down through much of this year. The government is responding with items such as the economic stimulus package, and the Federal Reserve has been lowering interest rates. We'll have to watch and see what effects those moves have on the construction economy. But it isn't all doom and gloom. There's still governmental spending projects for highway, and energy and infrastructure segments continue to be strong.

**QUESTION:** What about mining? What is Komatsu's place in the industry?

**ANSWER:** Mining is exceptionally strong, with emerging markets and higher prices for commodities, such as copper, fueling the growth. We expect that to continue for many years to come, as countries such as China and India continue to build their economies. Komatsu has always been a global leader in the mining industry and our expertise helps us maximize our opportunities in that market. We believe our Peoria plant is the best in the business for the manufacture of electric mining trucks. We have an incredible team of people there, who through research and development, have made Komatsu's electric mining trucks the most technologically advanced in the industry.

**QUESTION:** How will those advances in technology benefit equipment users?

**ANSWER:** Equipment users appreciate the technology going into new machines because it helps them with fleet management — items such as performance and maintenance. Our KOMTRAX machine-monitoring system,

*Continued . . .*



David W. Grzelak,  
Chairman and CEO,  
Komatsu America Corporation

*This is one of a series of articles based on interviews with key people at Komatsu discussing the company's commitment to its customers in the construction and mining industries — and their visions for the future.*

David Grzelak was appointed Chairman and CEO of Komatsu America Corp. in April of 2002 and has management responsibility of five Komatsu operations related to the construction, utility and mining industries.

He has held several management positions with Komatsu since joining the company in 1991 as Vice President of Sales, including Executive Vice President, President and COO, Chief Executive Officer, Chairman and CEO, Global Officer and Chairman and CEO of Komatsu Mining Systems.

"I've held many positions at Komatsu, but one thing that's never changed in this company is its commitment to quality, productive machinery," said Grzelak. "From top to bottom, Komatsu is very aware of the challenges contractors and mining companies face, and we're constantly working to make our machines the most advanced and efficient on the jobsite. Komatsu has long-range plans to ensure that continues to always be the case."

A 1971 graduate of Penn State University with a B.S. in Industrial Engineering, he added an MBA from Gannon University in Erie, Penn., his hometown. Both universities have honored him with distinguished achievement awards, and he was appointed to Penn State's Board of the Leonhard Center for the Enhancement of Engineering Education.

He and his wife, Diane, have two children, Mike and Meghan, and a granddaughter. David is an avid golfer and an accomplished tennis player, a sport for which he is a certified United States Professional Teaching Association professional.

# Chairman says Komatsu committed to R&D spending

... continued

which comes standard on all new construction machinery, will help them do that easily. We're the only manufacturer in the industry that installs such a system as standard equipment on new machines and provides free communication for five years. Komatsu constantly monitors those machines and if an error code comes up, we'll immediately alert the dealer and the customer to the problem. They can work together on a quick resolution. Our mining trucks come with VHMS (Vehicle Health Monitoring Systems), which functions much the same way. It's another level of product support, and a great partnership between Komatsu, the distributor and the customer.

## **QUESTION: What other ways is Komatsu continuing its commitment to excellence in customer support?**

**ANSWER:** We're one of the top equipment companies in the world, depending on the industry. As always, we're looking to improve. We're doing that in several ways, including spending a lot of time and money on research and development, much of which is partially

done by talking with equipment users to find out how Komatsu machinery can improve their business. They also expect that machinery to be backed up with excellent support, no matter where they work. So we're working to ensure consistent product support throughout our distributor network, including recertifying service technicians.

Part of any good customer support plan is having parts available on the shelf when a customer needs them. Our distributors have most common parts in stock, with additional parts on hand based on criteria such as what machines they have in the field. In most cases, they have parts available when the customer calls, or if not, they can have it by 7 a.m. the next day. They're able to do that because Komatsu has committed to having regional parts depots across North America. When distributors are missing a part and place an order, they know a truck will be coming to their store that night to meet their requirements.

## **QUESTION: Speaking of parts, Komatsu recently teamed with Hensley to build a new plant dedicated to ground-engaging tools. Will there be more of such investments in the future?**

**ANSWER:** We'll always continue to invest in ways to make our equipment better. As I mentioned, we put a huge effort into research and development. Through that, we've developed numerous machines that are unique and unrivaled in the marketplace, and we're introducing new products each year that are more efficient and productive. Komatsu has always been at the forefront of equipment manufacturing. For instance, we were the first to offer zero-tail-swing excavators, which are commonplace in the market today. We're one of only two manufacturers that offer a full line of products in utility, construction and mining, all of which are recognized for their quality and reliability.

We also have developed great relationships with our suppliers, which help in the research and development of our products. And on the other end, we have great relationships with our distributors. We're working hand-in-hand with both to ensure that the quality, reliability, efficiency and productivity that's been a part of every product we make, continue to be there. ■



Komatsu America Chairman and CEO David Grzelak says even though the construction industry is down as a whole, mining continues to be strong.

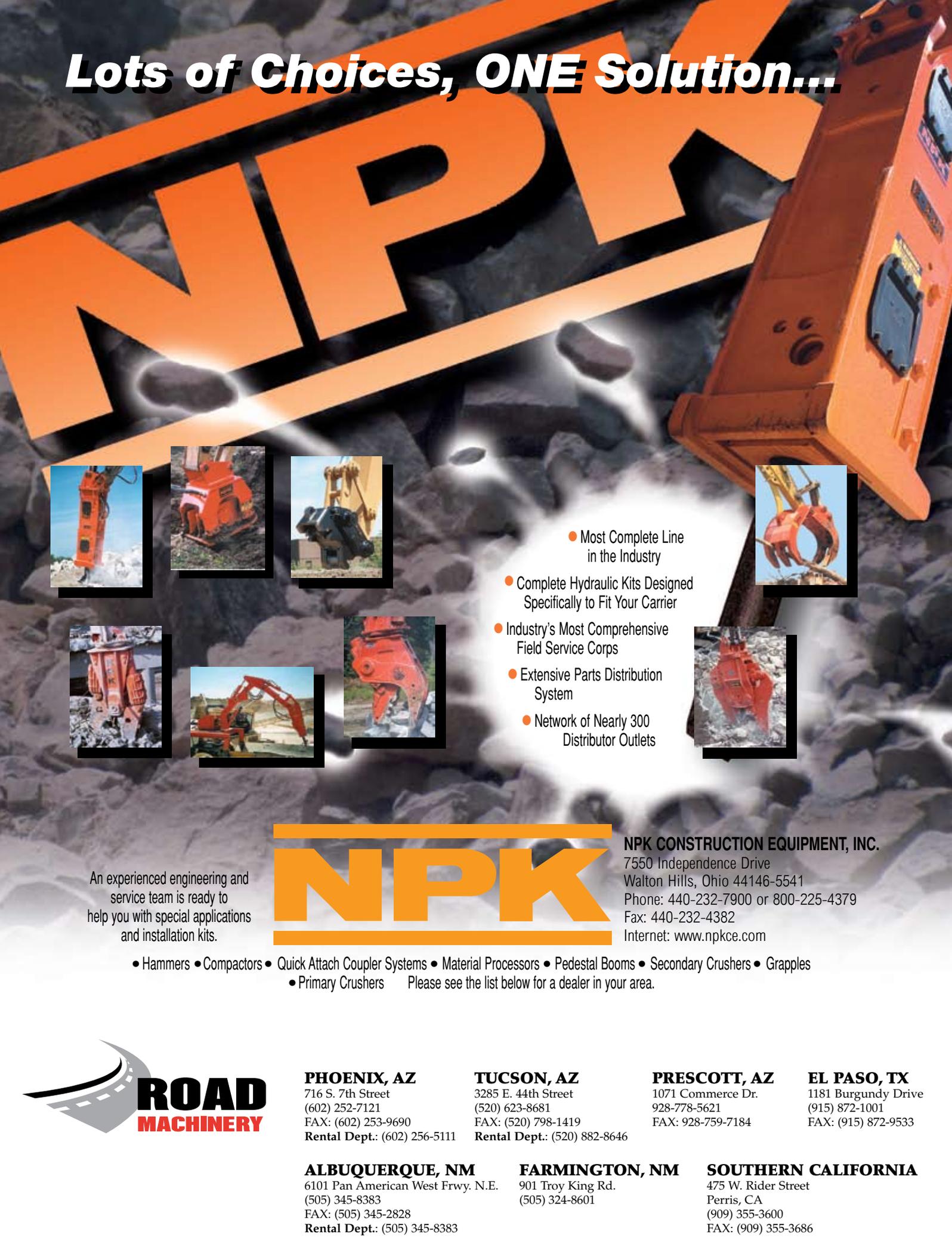


Komatsu recently completed its tenth regional parts depot. The depots are strategically located to ensure parts are readily available to distributors and customers throughout North America, the next day in most cases.



Komatsu's KOMTRAX machine-monitoring system allows equipment users to track machine performance and maintenance items.

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## PARTS NEWS

# ECO-WHITE FILTERS

## How Komatsu's latest hydraulic filters lower operating costs by trapping more contaminants longer

Komatsu constantly looks for ways to lower operating costs, increase efficiency and reliability and be environmentally responsible. It does that in part by using quality parts such as its Eco-White filters, designed to keep hydraulic systems on mid-size excavators cleaner and give components extended life.

"New Eco-White filters double the time until a filter change is necessary," noted Dan Brown, Komatsu Parts Marketing. "Older models that use paper and hybrid filters require filter changes every 250 hours. Eco-White filters push the fluid and filter changes out twice as far, which results in lower costs per hour."

Standard on Dash-8 PC200, PC300 and PC400 excavators, Eco-White filters are made completely of synthetic fibers. The layers of fiber increase the actual square footage of the filter — measured by the depth, number of bends and length of the filter — while the actual physical size of the filter is smaller than paper and hybrid (a combination of paper and fibers) filters on older machines.

"With its smaller size, the Eco-White filter can sit above the oil in the hydraulic tank," explained Brown. "The advantage is cleaner filter changes because the Eco-White filter retains the contaminants, keeping them from re-entering the hydraulic oil tank during removal. It also reduces spills during removal."

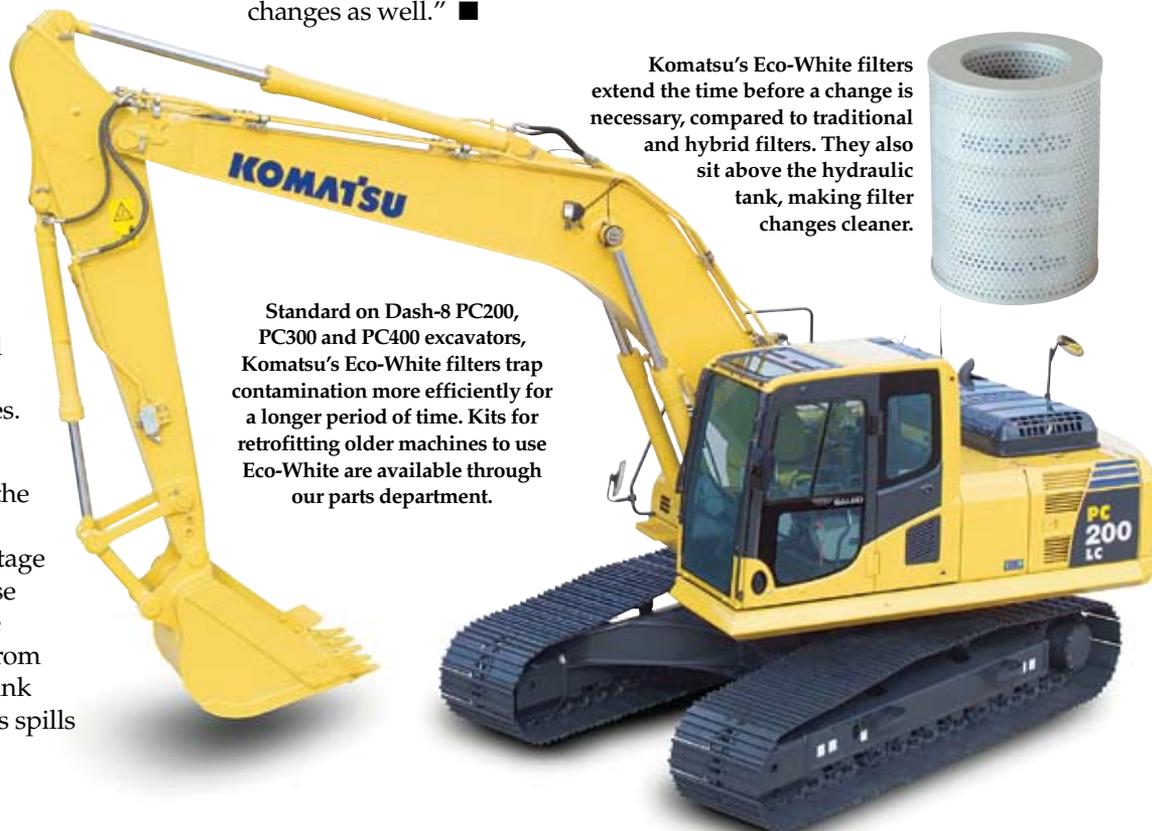
### Traps contaminants more efficiently

Eco-White filters trap contamination more efficiently for a longer period of time. Every layer of fibers does a particular job. The outer layer traps larger contaminants while subsequent layers take care of smaller particles.

"With the Eco-White filter, you can extend component life, which lowers operating costs and puts more dollars in your pocket in the long run," said Brown. "Komatsu distributors offer kits so users can retrofit older machines to use the Eco-White filters, giving those machines the capability of extended filter changes as well." ■



**Dan Brown,**  
Komatsu Parts  
Marketing



Komatsu's Eco-White filters extend the time before a change is necessary, compared to traditional and hybrid filters. They also sit above the hydraulic tank, making filter changes cleaner.

Standard on Dash-8 PC200, PC300 and PC400 excavators, Komatsu's Eco-White filters trap contamination more efficiently for a longer period of time. Kits for retrofitting older machines to use Eco-White are available through our parts department.

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## AT YOUR SERVICE

# ADVANCED TECHNICIAN COMPETITION

## Making good technicians better is the goal of this Komatsu training event

Many of the top heavy equipment technicians in the nation took part in the Komatsu Advanced Technician Competition (ATC) in February. The annual event takes place at the Komatsu Training and Demonstration Center in Cartersville, Ga.

“The Advanced Technician Competition is designed to help Komatsu distributor technicians improve their troubleshooting and machine problem-solving skills,” said ATC Director Wade Archer. “In doing that, we’re making good technicians even better, which benefits the customer by reducing downtime and repair costs.”

In the competition’s 10 machine categories, technicians have one hour to troubleshoot a machine and diagnose two problems that have been preset by Komatsu trainers. They’re judged not only on whether they correctly identify the issues, but also on how they get there. They’re expected to demonstrate their ability to properly use all tools, including service manuals and computers. They’re also evaluated based on their communication skills — that is, dealing effectively with the customer and asking the right questions of him.

In addition to the hands-on portion of the contest, Komatsu also puts on educational seminars to further technicians’ knowledge and skills.

“The technicians who come here tend to be the top ones at their distributorships,” said Archer. “They’re highly motivated and want to improve, and they like to compete to be the best. We think the pressure of the competition simulates what they experience on a jobsite, and we have no doubt that they leave here better able to meet the repair needs of equipment users.”

Contest winners receive trophies and prizes, including cash awards of \$3,500 for first place, \$2,500 for second place and \$1,000 for third place. ■



Wade Archer,  
ATC Director



At the ATC, top technicians from across the country compete against each other in a troubleshooting skills contest. Komatsu training personnel (below) judge contestants based on their ability to properly use all information to reach the correct diagnoses in the shortest time.



## DISTRIBUTOR CERTIFIED

# “HALF AND HALF”

## Dozer gives before and after look at a Komatsu Distributor Certified used machine



Lee Haak,  
Director, ReMarketing



Attending CONEXPO means getting a chance to see the latest in equipment and technology. Komatsu’s large display included that, but it also gave attendees a chance to see how a Distributor Certified used machine, available through Komatsu ReMarketing, could be a valuable addition to their fleet.

The 7,000-hour D61PX-12 dozer on display was a “half-and-half” machine. One side showed the dozer’s condition when it was traded in, while the other showed how the Distributor Certified machine had been upgraded with a new undercarriage and hydraulic components, as well as new paint.

“This machine caught a lot of eyes because people weren’t expecting something like this to be on display,” said Lee Haak, Director, ReMarketing. “It went through an exhaustive checklist of items during the evaluation process to qualify it for Distributor Certified used status. By showing the ‘half-and-half’ machine, people get an up-close look at the value added by our distributors during the certification process.

“Our intention was to show how a Komatsu Distributor Certified used machine offers more than just a new paint job,” he added. “We wanted them to understand that each used machine in our Distributor Certified fleet goes through a nearly 200-step evaluation process that checks the machine from stem to stern. Any item that can be measured on a machine is, and each component is brought into Komatsu specifications. We want the customer to know exactly what’s been done to the machine before deciding to purchase it.”

### Subsidized financing, warranties

Haak noted that Komatsu has more than 750 certified evaluators at distributors throughout North America who evaluate dozers, excavators, wheel loaders and skid steers before they are put into the Distributor Certified used fleet. Komatsu’s Distributor Certified used equipment offers subsidized financing, and factory warranties are available for most machines. Distributors have access to a nationwide database of certified machines, along with photos and an evaluation of each unit.

“These machines are a lower-risk alternative for the used equipment buyer who might otherwise buy one at auction without knowing anything about it or getting a warranty,” Haak said. “Because they’ve been certified, they’re eligible for warranties up to three years, depending on the model, hours and grade we give them. We’ll work with customers to fit their needs with a machine and price they’re comfortable with, and a warranty to match. When customers buy a Komatsu Distributor Certified used piece of equipment, they’re getting the same backing from their distributor and Komatsu that they would on a new piece.” ■



Komatsu’s Distributor Certified used dozer at CONEXPO caught a lot of eyes. ReMarketing Director Lee Haak (center) gave them an up-close look at the machine’s before and after conditions.





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Purchasing Komatsu Distributor Certified Used Equipment makes sound business sense. You'll receive good value for your money and a reliable and productive machine that will get the job done for years to come — we guarantee it!

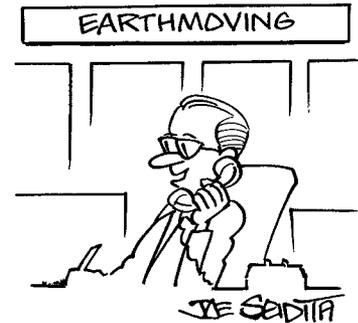
**To learn more about Komatsu ReMarketing's Distributor Certified Used Equipment, contact your local Komatsu Distributor or go to our Web site at [www.equipmentcentral.com](http://www.equipmentcentral.com) and click on "used equipment."**



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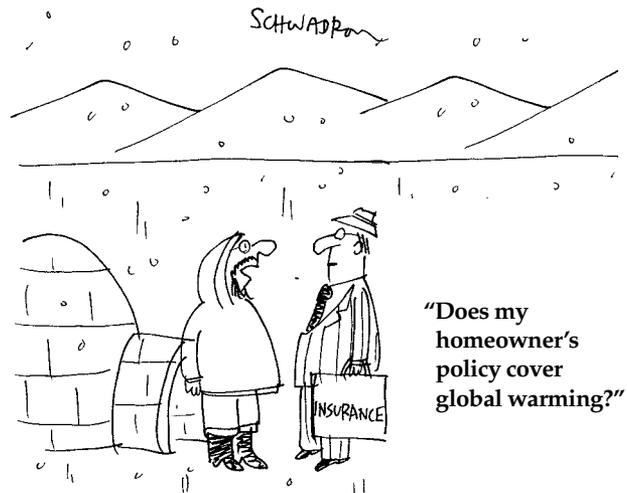


"We loaded 16 tons and what did we get?... Well, we want another of those loaders!"

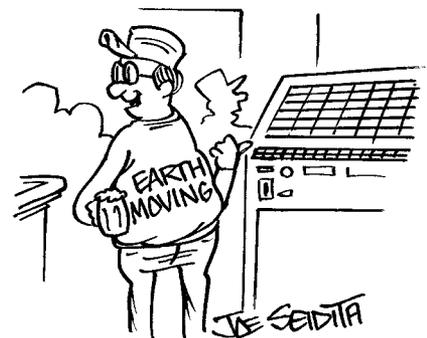


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"Hey Joe! Do you have 'I Feel the Earth Move' on this jukebox?"



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# USED EQUIPMENT FOR SALE

## HYDRAULIC EXCAVATORS

YEAR	MAKE	MODEL	HRS	EQUIP#	PRICE
2006	KOMATSU	PC200-8	564	11167	\$125,000
2005	KOMATSU	PC200LC-7	1,000	11166	\$124,500
2005	KOMATSU	PC200LC-7	1,007	11172	\$131,000
2005	KOMATSU	PC200LC-7	1,017	11171	\$131,000
2005	KOMATSU	PC200LC-7	1,048	11170	\$129,500
2005	KOMATSU	PC200LC-7	704	10870	\$99,000
2005	KOMATSU	PC200LC-7	1,945	9448	\$95,000
2004	KOMATSU	PC200-7	703	11169	\$114,500
2004	KOMATSU	PC200-7	2,168	10864	\$97,500
2003	KOMATSU	PC228US-3	2,511	10865	\$99,500
2006	KOMATSU	PC300LC-7	289	11292	\$225,000
2005	KOMATSU	PC300LC-7	1,621	11163	\$199,000
2005	KOMATSU	PC300LC-7	1,212	11165	\$209,000
2005	KOMATSU	PC300LC-7	2,053	10416	\$175,000
2004	KOMATSU	PC300LC-7	4,457	11837	\$147,500
2005	KOMATSU	PC400LC-7	3,131	9883	\$259,000
2005	KOMATSU	PC400LC-7	3,230	11162	\$282,500
2005	KOMATSU	PC450LC-7	3,229	9593	\$275,000
2005	KOMATSU	PC750LC-7	2,052	9293	\$499,000

## WHEEL LOADERS

2006	KOMATSU	WA380-5	858	9790	\$165,000
2003	KOMATSU	WA380-5	4,922	10867	\$119,500
2003	KOMATSU	WA380-5	5,204	8584	\$110,000
1998	KOMATSU	WA380-3	7,246	9569	\$85,000
2005	KOMATSU	WA480-5	5,768	11776	\$169,000

## MISCELLANEOUS

2006	KOMATSU	BR550JG-1	867	11380	\$555,000
2003	KOMATSU	GD655-3C	3,222	12200	\$119,500
2006	KOMATSU	D275AX-5EO	2,348	11685	\$465,000
2006	KOMATSU	D155AX-5	424	12187	\$375,000
2004	KOMATSU	D61EX-12	2,770	11997	\$109,500

Availability is constantly changing. Check with your Road Machinery salesman for your used equipment needs.

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# ROAD MACHINERY

## THE PRODUCTS




- |                                       |                                      |                                             |                                          |                                                       |
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| <b>TUCSON, AZ</b><br>(520) 623-8681   | <b>PHOENIX, AZ</b><br>(602) 252-7121 | <b>SUPERIOR, AZ</b><br><i>opening soon</i>  | <b>ALBUQUERQUE, NM</b><br>(505) 345-8383 | <b>FARMINGTON, NM</b><br>(505) 324-8601               |
| <b>PRESCOTT, AZ</b><br>(928) 778-5621 | <b>PERRIS, CA</b><br>(909) 355-3600  | <b>HAWTHORNE, CA</b><br><i>opening soon</i> | <b>EL PASO, TX</b><br>(915) 872-1001     | <b>CANANEA, SONORA, MEXICO</b><br>011-52-645-332-8300 |

